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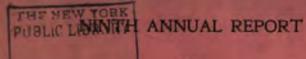






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OF THE

Board of Public Works



OF KANSAS CITY, MO.

For the Fiscal Year, 1897.

April 19, 1897, to April 18, 1898.

NINTH ANNUAL REPORT

OF THE ...

BOARD OF PUBLIC WORKS



OF KANSAS CITY, MO.

...FOR THE

PISCAL YEAR 1597.

APRIL 19, 1897, TO APRIL 18, 1898.





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BOARD OF PUBLIC WORKS.

GEO. S. GRAHAM,	-	-	-	- President.
GEO J. BAER, -	-	-	-	- Member.
GEO. W. YOUMANS,	•	-	-	- Member.
GEO. P. HARDESTY,	•	-	-	- Member.
R. M. Godfrey,	- ,	-	-	- Secretary.
W. S. CAMPBELL, -	-	-	•	Clerk of Supplies.
W. S. CAMPBELL, - IDA G. FIELD, -	-	-		Stenographer.
DEPARTMI	ENT OI	F ENC	HNEEL	RING.
HENRY A. WISE,	-	-	-	City Engineer.
STEPHEN A. MITCHELL		-	Assista	nt City Engineer.
H. P. SELDEN, -	-	Superi	ntenden	of Construction.
MARCUS E. GETCHELL,	•	-	•	Chief Clerk.
H. B. MANN,	- S	upt. o	f Sidewa	dks and Curbing.
E A. HARPER,	-	-	Ch	ief Draughtsman.
DEPARTMENT	OF ST	REET	s AND	ALLEYS.
WALTER M. DAVIS,		-	•	Superintendent.
W. S. HUMPHREY, -				_
DEPARTM	IENT	OF BU	TILDIN	GS.
A. W. Love, -		-	-	Superintendent.
SAMUEL E. BEAR, -	-			Clerk.
DEPARTME	37 0° (AU	11111	112 D - M27	AD U.S.
D. W. LONGWELL,				Superintendent.
W. KIERSTED, -				
CHAS. E. RICKERT,	•	-		Chief Clerk

BOARD OF PUBLIC WORKS.

FISCAL YEAR 1889.

FISCAL YEAR 1889	
NAMES OF MEMBERS.	LENGTH OF SERVICE.
J. M. PATTERSON, President	June 11, 1889, to April 21, 1890.
FRED HOWARD, Member	
L. K. THACHER, Member	June 11, 1889, to April 25, 1890.
PHIL, E. CHAPPELL, Member	June 11, 1889, to May 2, 1890.
FISCAL YEAR 1890).
J. S. CANNON, President	
WM. WESTON, Member	
W. A. KELLEY, Member	May 2, 1890, to April 27, 1891.
J. H. BECKHAM, Member	May 2, 1890, to April 27, 1891.
FISCAL YEAR 189	i.
J. S. CANNON, President	
JNO. R. STOLLER, Member	
H. C. MURPHY, Member	April 27, 1891, to April 18, 1892.
CHAS. A. ROLLERT, Member	
*GEO. HOLMES, Member	Nov. 12, 1891, to May 4, 1898.
FISCAL YEAR 1892	
PETER H. TIERNAN, President	
CHAS. A. ROLLERT, Member	April 27, 1891, to April 25, 1893.
GEO. HOLMES, Member	Nov. 12, 1891, to May 4, 1898-
†John Taylor, Member	
IJAS. H. OGLEBAY, Member	Aug. 9, 1892, to April 22, 1892,
FISCAL YEAR 189	3.
PETER H. TIERNAN, President	
ARTHUR J. MASON, Member	April 22, 1898, to April 26, 1894.
GEO. KUMPF, Member	
GEO. HOLMES, Member	
FISCAL YEAR 1894	
PETER H. TIERNAN, President	From April 18, 1892-term 4 yrs.
JOHN C. GAGE, Member	From April 25, 1894-term 2 yrs.
I., C. SLAVENS, Member	From April 25, 1894-term 2 yrs.
I. K. THACHER, Member	April 26, 1894, to Oct. 31, 1894.
R. S. OWEN, Member	
FISCAL YEAR 1895	The second second second second
PETER H. TIERNAN, President	April 18, 1892, to April 20, 1896.
JOHN C. GAGE, Member	
I. C. SLAVENS, Member	
R. S. OWEN, Member	
**GBO. J. BAER, Member	
FISCAL YEAR 1896	
GEO. S. GRAHAM, President	From April 20, 1896-term 4 yrs.
GEO. J. BAER, Member	From April 20, 1896-term 2 yrs.
GEO. W, YOUMANS, Member	From April 20, 1896-term 2 yrs.
GEO. P. HARDESTY, Member	From April 20, 1896-term 2 yrs.
*Geo Holmes, appointed, vice Jno. R. Stoller, resig	ned.
James H. Oglebay, appointed, vice Iohn Taylor, re	esigned.
Geo. Holmes, re-appointed.	
*Geo Holmes, appointed, vice Jno. R. Stoller, resign †John Taylor, appointed, vice H. C. Murphy resign James H. Oglebay, appointed, vice John Taylor, re Geo. Holmes, re-appointed. &R. S. Owen, appointed, vice L. K. Thacher, deceas **Geo. J. Baer appointed, vice L. C. Slavens, remove	ed.
ges. It part appointed tite it er platens telllon	

REPORT OF THE BOARD OF PUBLIC WORKS

OF KANSAS CITY, MISSOURL

For the Fiscal Year Ending April 18th, 1898.

To the Honorable Common Council, Kansas City, Mo.:

Gentlemen:—The Board of Public Works herewith respectfully submits its annual report for the fiscal year 1897 (from April 19th, 1897, to April 18, 1898).

The apportionment for the year was \$150,000.00; the unexpended appropriations brought over from the last fiscal year (1896) amounted to \$4.20; also an unused balance of \$528.79, which had been certified by the Comptroller, but for which the ordinance appropriating did not pass; at the end of the fiscal year \$5,499.78 was transferred back to the General Fund, leaving a total of \$145,028.26 to be accounted for by the Board.

The total receipts and disbursements for the fiscal year were as follows:

RECEIPTS.

Apportioned by the Common Council Unexpended appropriations and certified balance from fisc	\$150,000-00 al
year, 1896	527 99
	\$150,527 99
CONTRA.	
Amount transferred to General Fund \$5,499-73	
Amount transferred to Fire Department 1,525 (0)	\$7,024.73
To be accounted for	≸143,503-2 8
DISBURSEMENTS.	
Board of Public Works \$12,142 56	
Department Engineering Department 45,753-24	
Expenses Street and Alley Department 78,061 48	
Department	\$142,507,59
Appropriations, expenditures on account of	268-17
Appropriations unexpended, cash in City Treasury	429-20
Total	\$143,50G-26

STEAM ROAD ROLLERS.

The expenses for rent, salaries, coal and repairs of operating the Steam Road Rollers for the year, amounted to \$2,514.48.

The following table shows the expenses of the several departments of the Board of Public Works and the funds at its disposal, accounted for each year since its organization.

Expenditures of the Board of Public Works Department Since Organized.

		7 1 1 1 1 1 1 1		 - ·		= =
Fiscal year ending in April.	Board of Public Works.	Engineer- i g depart- ment.	Street and Alley depart- ment.	Building depart- ment.	Total.	Funds at disposal of Board and accounted for.
			'			!
1890	5 6,658 78	\$71,883 36	588,392 28	\$17,888 37	\$179.282 74	\$269,814 57
1891	14,597 75	70,957 86	95,316 44	12,728 71	193,595,76	
1892	10,947 76	56,854 03	86,409 76	7 871 47	161,583 02	223,882 08
1893	9,274 23	57,858 11	80,507.38	7.382 31	155,022 08	177,090 74
1891	24,588 18	49,495 91	07,746 25	6,551 32	148,876 61	181,499 61
1895	9 857 67	48,059 70	70,219 15	5,799 57	137 986 09	148,818 17
1896	9,868 50	49,575 30	81 529 69	6,921 45	145.894 94	146,387 29
1807	18,452 36	42.125 (6)	66,701 77	6,810 00	129,089 19	132,594 11
1898	12,142 56	45,753 24	78,601 48	6,850-61	142 807 89	143,508 26
		'			. <u></u>	
Totals	\$111,882 69	\$485,042 57	\$718,884 20	578,278 81	\$1,393,588 27	\$1,692,037 78
		1	i		1	1

PUBLIC IMPROVEMENTS.

Table "A" gives in detail the total amount of public work constructed through the Engineering Department, and the total expenses of that department since the organization of the Board of Public Works.

Table "A."

	Expenses of Engi- neering De- partment.	\$11,808.86 70,557.88 56,884.08 57,888.11 49,646.91 47,675.89 47,125.89 46,773.24	\$186,042 57
	il- Total Ex us Amount of of c Work. neer	\$673,389,88 573,106,76 463,184 301,307,39 101,0,186 570,680,84 627,686,62 647,018	56,754,274 56
H H H:	Miscel- lancous Public Work.	26.25.25.25.25.25.25.25.25.25.25.25.25.25.	524,700 TB
	Sprinkling and Cleaning.	21.886 2.886 12 2.884 18 3.684 18 14.715 65 19.380 88	\$03,706 BR
; ;	Sewers. O. K. Creek.	586,811 64 51 114 52 85,628 12 41,838 77	\$215,388 05
:	Sewers. Public.	57,833 20 12,441 50 8,414 38 11,724 49 4,840 90 24,641 94	San, 176 74
	Sewers. Di-trict.	200	\$41 KM pi
	Bridges and Viaducts.	\$17,986 (to) \$2.88 57 3,576 (O) 15,800 (to) \$2,167 (tr.)	96.52.25
:	Sidewalk Repairs.	2	\$ 143, (53 ge
-	Sidewalk. First Class	2000 2000 2000 2000 2000 2000 2000 200	C 123 150 24
	Sidewalks. Plank.	#528828 #52885 #52885 #52885 #5288 #528 #52	15 656 8515, 11 616 8615 20 658
•	Paving Street, and Alleys.	######################################	
•	Curbing	#40823274 #68284448 #8488#448	20 1 M 12 M
	Grading Paving Streets and Meys. Alleys.	######################################	Total Control of September 5 and 18 and
i!	Fiscal Vear Findi's April	17 2777755	Total.

STEAM ROAD ROLLERS.

The expenses for rent, salaries, coal and repairs of operating the Steam Road Rollers for the year, amounted to \$2,514.48.

The following table shows the expenses of the several departments of the Board of Public Works and the funds at its disposal, accounted for each year since its organization.

Expenditures of the Board of Public Works Department Since Organized.

Fiscal year ending in April.	Board of Public Works.	Engineer- i g depart- ment.	treet and Alley depart- ment.	Building depart- ment.	Total.	Funds at disposal of Board and accounted for.
1890	\$ 6,658 78 14,597 75 10,947 76 9,274 28 24,583 18 9 857 67 9,868 50 18,452 36 12,142 56	\$71,868 86 70,957 86 56,854 81 57,858 11 49,495 91 48,059 70 49,575 80 42,125 06 45,753 21	\$83,392 28 95,316 44 86,409 76 80,507 38 67,746 25 79,219 15 81 529 69 66,701 77 78,661 48	12,728 71 7.871 47	161,583 02 155,022 08 148,876 61 137,986 09	\$269,814 57 268,417 95 228,882 08 177,090 74 181,499 61 148,848 17 146,887 29 182,594 11 148,508 26
Totals	\$111,882 69	\$485,042 57	\$718,884 20	\$78,278 81	\$1,393,588 27	\$1,692,037 78

PUBLIC IMPLOVEMENTS.

Table "A" gives in detail the total amount of public work constructed through the Engineering Department, and the total expenses of that department since the organization of the Board of Public Works.

Table "A."

Expenses of Engi- neering De- partment.	:	571.8% SS	3	57.858 11	49,485,91	13.056 73	47.575 80	42,125 06	46, 758, 24		\$486, W2 67
Total Amount of Work.		Sec. 13, 1940 SE.	2 12 24	St. 101. 141.	NI. 186 75	S 14.13	T 27 215	S. 546	70 810,700		55,774,274 56
Miscel- lancous Public Work.		\$6,2942 12 0,015 13	3		2. (0)						£24,700 73
Sprinkling and Cleaning		3	1	2,361 15	35,522 65	44,715 (R)	2 (X)				Stats, 796 891
Sewers. Creek.			51 114 52							!	500,176 74 · § 215,886 (6)
Sewers Public		6.5 17.1 17.1	£ 7.	12 456 16	2.7.7	(N) (N) T	•	14 100 17	17,204 19	:	500,176 74
Sewers District		\$ 110 e85 27	12	4 9	ALC ALC: 180	777	4 (5)	2 1	11, 735 15		SHI KW BE
Bridges and Viaducts		ST. SPACE.	100		15 Sec. 60				1, 157		965 522 57
Sidewalk Repair		-1 280 14	7	11 1111	11 210 05	:: =:	10 4 11 11	3.7.7	17 86.04		46 153 Bol i
sidewalks First Class											12 450 120 5
Sidewalks Plank.	ı	20 11 49. 20 12 49.	7	1 27	7:1	2	7. 18. 17	1: 2:	7. 7. 7.		भर करण प्रतान है। में बोक्स क्या है के करू
Faving streets and vileys		10 10 10 10 10 10 10 10 10 10 10 10 10 1	4	3	T (1)	10 120 100	100	7 : 1 5 :	offe takes 1991		-
Curting		578 112 11 kaps	12	(C) (141) (C)	(b) (*) (c)	:: , ::		7 25, 2	4		SHOP WITH
Fiscal to dung Paying Near Streets and Finding Affects and Meys April		12 12 10 10	3	7	1000	· ·		2 3 4	77.77	•	Totals (2015-204-20) such with 120 galler
Pread Vear Prichts April	ı	į	ý	ž	ž	ĭ	<u>`</u>	14.	ž		Totals

The work completed during the fiscal year through the Engineering Department cost \$697,018.07, and the expenses of the Department for all purposes were \$45,758.24.

The paving and re-paving of streets cost \$887,969.64, and of alleys, \$11,986.82, a total of \$349,955.96.

The mileage and cost of each kind of pavement is as follows:

Materials.	Lineal Feet.	Miles.	Square Yards.	Cost.	Average Cost per Square Yd.
Asphalt—Trinidad Lake Asphalt—American Bitumin-	18,672.20	2.59	43,492.70	\$ 91,895 76	\$2 12
ous Rock	10,019,10	1.90	84,447,90	70,248 96	2 04
Brick	20,877.43	5.65	92,172,90	129,810 42	1 12
Macadam	14,806,10	2.80	55,392.00	58,000 82	1 05
			'		;
Totals	68,374.83	12.91	225,505.50	\$349,955 96	
			'	·	'

The following tables show the mileage and cost of all street paving work constructed from 1889 to 1897, inclusive, and kinds of material used:

Commencing January 1, 1889, Ending May 9, 1889.

Material Used.	Lineal Feet.	Miles.	Square Yards.	Cost.	Average Cost per Square Yd.
Asphalt	2,570.00 1,027.00	0.486 .194	7,645,63 4,098,70	 . \$21,407 76 2,746 13	\$2 80 67
Totals	8,597.00	0.680	11 714.33	\$21,153 89	1

Commencing May 9, 1889, and Ending April 30, 1890.

			-	_	
Material Used.	Lineal Feet.	Miles.	Square Vards.	Cost.	Average Cost per Square Yd.
Asphalt Cedar Blocks Cranite Blocks Brick	10,761,30 37,674,97 1,178,00 3,525,00	2.01 7.135 .222 .667	40,244,27 146,772,14 5,079,57 13,256,72	\$112,683,96 208,607,68 16,527,42 27,056,36	\$2.80 1.421 3.258 2.041
Totals	58,137.27	10,061	205,352.70	\$361,971 92	

Commencing April 80, 1890, and Ending April 20, 1891.

Material Used.	Lineal Feet.	Miles.	Square Yards.	Cost.	Average Cost per Square Yd.
Asphalt Cedar Blocks Macadam btone Blocks	4,752.00 14,901.70 546.00 2,655.80	0.90 2.82 .10 .50	17,680 60 50,384.60 2,765.00 7,915.80	\$ 48,890 92 71,160 78 1,161 80 28,074 89	
Totals	22,855.50	4.32	78,756.00	\$144,587.89	

During Fiscal Year Commencing April 20, 1891, and Ending April 18, 1892.

Material Used.	Lineal Feet.	Miles.	Square Yards.	Cost.	Average Cost per Square Yd.
Asphalt Brick Macadam Stone Blocks Cedar Blocks	15, 126,00 6,682,50 8,825,80 774,80 1,834,20	2.86 1.27 1.67 .14	57,110,89 24,079,80 (31,253,50 (3,054,70 (4,572,90	\$114,258 71 40,350 42 32,859 91 7,859 91 6,767 89	. 1 677 1654 1 2 578
Totals	32,742.H0	6.20	123,071.79	\$232,157 04	<u>L</u>

During Fiscal Year Ending April 17, 1898.

			-		
Material Used.	I,ineal Feet.	Miles.	Square Yards,	Cost.	Average Cost per Square Vd.
Brick Asphalt Macadam	9,534,95 ; 12,894,15 11,618,06	1 50 2.35 2 62	34,829,30 48,163,80 50,207,70	\$ 57,557 74 124,117 04 37,510 46	2 476
Totals	36,572 16	6.77	133,200 80	\$219 155 21	•

During Fiscal Year Ending April 16, 1894.

Material Used.	!	Lineal , Feet.	Miles.	Square Yards	Cost	Average Cost per Square Yd.
Asphalt		20 000 10	5.41	199 443 50	\$257 (80.35)	\$2.786
Macadam		15 955 15	3 / 9	The terms of the	Sec. 24 - 17	~ 11
Vitrified Brick		32,116 10	13.1 🛰	The talk that	100 101 140	1 617
Stone Blocks, repairs		2 250 (0)	42	14,5447 144	ii tari wa	A:I
Totals	- i	82,020 35	15/90	002/03/20	\$622 (S) 6.	

During Fiscal Year Ending April 15, 1895.

Lineal Feet.	Miles.	Square Yards.	Cost.	Average Cost per Square Yd.
97 991 70	5 1A	i - 119 (80 98	2906 751 6 0	\$2 64
				899
329 50	0.06	1.238 80		2 47
18,131.40	2.49	45,977.80		1 346
2,668.15	0.39	8,181.60	9,689-98	1 05
49,588.85	9,39	195,980,16	5403,024-20	
	27,221,70 6,837,60 120,50 18,131,40 2,668,15	Peet. 27,221,70 5,16 6,817,6 12,29 8,29 50 0,68 13,131,40 2,49 2,668,15 0,39	Feet. Vards. Vards. 27,221,70 5.16 118 460.26 6.807.60 1.29 21,772.00 18,131.40 2.40 45,977.80 2.668.15 0.30 8,181.60	Feet. Vards. Cost. 27,221.70 5.16 118 489.26 \$388,751 62 6.837.6) 1.29 21,772.00 19,587 02 829.50 0.03 1,238.89 3,077 84 19,131.40 2.49 45.977.80 61,914 79 2.668.15 0.30 8,181.60 9,689 98

During Fiscal Year Ending April 20, 1896.

Material Used.	Lineal Feet.	Miles.	Square Vards.	Cost.	Avera ge Cost p e r Square Yd.
·	- :		:		l .
Asphalt—Trinidad Lake	34,717.75	6,57	129,612.78	\$829,791.36	\$2.511
Brick	10,157.70	1.902	35, 196 40	68,719 25	1 307
Mac (dam	12,268,99	2.32	55,739 20	19.511 42	
Stone Blocks	1,487,70	0.28	6,585,00	9,635,83	1.40
Cedar Blocks	6(n) 50	0.11	1,762.00	1,973 44	1 12
			i .		:
Totals	59,232.64	11.21	227, 185, 38	\$139,034 00	1
		-	1	!	

During Fiscal Year Ending April 19, 1897.

Materials.	Lineal :	Miles.	Squa Yare	re Cost.	Average Cost per Square Yd.
Asphalt Brick Macadam Stone Blocks	44,420 30 23,204 00 24,126,50 289,20	8 41 4.47 4.57	156,05 82,70 121,84 40	3.60 117,671 27	1 421 615
Totals	92,110,00	17.15	361,00	5.10 \$588,155 81	!

Material Used.	Total Miles.	Increase during year.	Decrease during year.
Asphalt Vitrified Brick Cedar Blocks Stone Blocks Mac idum	30 97 23 44 13.78 2.12 20.76	4,19 1,74 1	Replaced by other pavem'ts 7.37
	100,07	Net 1.17	'

With the close of the fiscal year, the public work under contract amounted to \$155,269.60, as follows:

UNDER CONTRACT.

	Asphalt, Brick streets, Brick alleys,	19,	contract	approximate	cost.	\$ 57,518.93
Paving	Brick streets,	. 7.	••	••	••	35,305 81
• •	Brick allevs,	2,	4.	**	• •	1,719.11 \$94,543.85
45 . 12	Nat stone,	15.	• •	••	••	10,697.37
Curbing	/ Artif. "	7.	••	••	• •	8,863.14 - 19,560.51
	(Nat. "	4.	••	••	• •	2,508,72
Sidewks	Artif. "	17.	••	••	••	15,526,60
_	Nat. " - Artif. " Brick,	9,		• •	••	-3,654,46 - 21,697.78
C 11	Streets, Alleys,	6.	••	••	• •	2,914.20
Graning	Alleys.	3,	• •	11	• •	367.39 - 3,281.59
Planting	trees,	1.	• •	• •	••	129 80
Public 4		1.	••	•	• •	201.59
	neous work					. 15,854.48
	Total					\$155,169.60

Certificates of special taxes against city property for improvements were issued to the amount of \$4,455.51 during the fiscal year.

Special tax bills were issued to the number of 14,169. Objections to them were filed in but 28 cases.

LIGHTING STREETS.

At the close of the fiscal year, there, were 1,653 gas lights, 1,588 gasoline lights, and 216 electric lights in service, an increase of 84 gas lamps, 377 gasoline lamps, and 7 electric lights during the year.

The city paid \$12.00 each for gas lights smoonlight schedule), \$110.00 each for electric care slights call hight schedule).

and \$17.00 each for gasoline lights (moonlight schedule), and the total cost of street lighting for the year was as follows:

Kansas City, Missouri, Gas Co	\$18,692 88
F. K. Hoover, gasoline lights	
Kansas City Electric Light Co	
Lighting in annexed territory	2,570 02
Total	
Cost Street Lighting Fiscal Year, 1893	\$ 88,929 10
*Cost Street Lighting Fiscal Year, 1894	58,428 91
*Cost Street Lighting Fiscal Year, 1895	
Cost Street Lighting Fiscal Year, 1896*Certain deductions made to bring the cost within the ap	
*Certain deductions made to bring the cost within the ap	portionment for the year.

WATER WORKS.

The city has received during the year, revenue from the water works to the amount of \$427,115.21, and with the balance of \$127,064.62 from last year, makes \$554,179.88 to be accounted for.

The total operating expenses of the department, including the expenses of the office of Assessor and Collector of Water Rates, were \$182,164.25. The fourth and fifth semi-annual payments of interest on the \$3,100,000.00 of water works bonds amounted to \$188,847.50; appropriations and expenditures for the extension of water mains and betterment of plant, amounted to \$101,470.96; \$60,000.00 were placed in the sinking fund to provide for the payment of the bonds, and a balance of \$121,693.12 remains in the hands of the City Treasurer.

The total receipts and disbursements of Water Works Department for the fiscal year 1897, were as follows:

- --.

RECEIPTS.

Water Rates	\$139,091 53	2
Meter Rates	234,123 31	l
Meter Rates	4,394 76	3
Special Permits	. 2,009 60	3
Deposits	3,356 26	5
Corporation Cocks	1,899 50)
Deposits	2,209 88	}
Meters Repaired	986 5	;
Meters Sold	3,427 50)
Meters Sold Fines	359 00)
Miscellaneous	37,622 95	5
Miscellaneous Interest and Miscellaneous	2,168 58	3
Total Gross Receipts		
Less Rebates and Deposits	4,534 20)
Net Receipts Balance with City Treasurer from 1896	127,064 62	\$554,179 83

DISBURSEMENTS.

Superintendent and Engineer's Office	. \$ 8,025 35
Street Department	14,208 73
Inspection Department	12,405 62
Meter Department	14,768-87
Betterment of Plant	34,065 59
Turkey Creek Pumping Station	41,369 55
Quindaro Pumping Station	25,079 08
Miscellaneous Expenses.	4,634-99
Assessor and Collector's Office	11,609 40
Rebates and Refunds	66 68
Interest on Bonds	138,847 50
Sinking Fund	60,000 00
Appropriations	67,405 37
Total Disbursements	\$ 432,486-71
Balance with City Treasurer to 1898	121,693 12 \$554,179 83

The accompanying reports of the City Engineer, Superintendent of Streets, Superintendent of Buildings, and Superintendent of Water Works' Department are complete in detail and in summary, and many of the suggestions and recommendations set forth are entitled to, and should receive, careful consideration.

THE BOARD OF PUBLIC WORKS,

	GEO. S. GRAHAM, Pri	esident.
	Geo. J. Baer,)
	GEO. J. BAER, GEO. W. YOUMANS,	'- Members
April 18th, 1898.	Geo. P. Hardesty,)

SECRETARY'S REPORT.

STATEMENT OF BOARD OF PUBLIC WORKS FUND.

For the Fiscal Year Ending April 18th, 1898.

Apportionment for the fiscal year, 1897\$	150,000 0	0		
Appropriations from last fiscal year	527 9			
		\$150,527 99		
CONTRA	•			
Amount transferred to General Fund \$ Amount transferred to Fire Dept	5,499 73 1,525 0	3 0 \$7,024 7 3		
Balance to be accounted for			\$143	,503 26
EXPENSE	s			
BOARD OF PUBLIC	C Works			
Pay Rolls, Members and Clerks	6,432 0	7		
Miscellaneous Expenses	3,196 0	l		
Steam Road Rollers, pay rolls, rep'rs, &c.	2,514 48	3		
Total		\$12.142 56		
Engineering Dei	PARTMEN	T.		
Pay Rolls for Department	43,679 0	1		
Pay Rolls for Horse Hire	925 1	l		
Abstracts for Grading and Condemnation		_		
Cases, and General Information	642 66	3		
Miscellaneous Expenses Total				
10tai		\$45,753 24		
STREETS AND ALLEYS	DEPART	IENT.		
Pay Rolls for Department\$	68,933 2	5		
Pay Rolls for Horse Hire	862 88	}		
Pay Rolls for Horse Hire Miscellaneous Expenses	8,265 3	5		
Total		<i>\$</i> 78,061 48		
Buildings Depa	RTMENT.			
Pay Rolls for Department	6,836 60)		
Miscellaneous Expenses	14 01			
Miscellaneous Expenses Total		\$ 6,850 61		
Appropriati				
Expended under Appropriation	266 17	7 💲 266 17	143,	074 06
Balance unexpended and forwarded to				
fiscal year, 1898			\$	429 20

FISCAL YEAR 1897. BOARD OF PUBLIC WORKS DEPARTMENT.

Total	54.886 14.486 11.861 11	\$113,074 06
Expended under Appropriations.	21 682	\$2.00 17
Total	24 28 28 28 28 28 28 28 28 28 28 28 28 28	\$112, MIT 85
Huildings Department.	######################################	95 HS(0 61
Streets and Alleys Department	######################################	57H,061 4H
Rngineering Department.	2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2	\$15,733 24
Board of Unblic Works		512,312 GA
Month 1847.	April 10-30 May July August September Cytloher November Becember Pelinary March April 1 18	Totals

FISCAL YEAR 1897. EOARD OF PUBLIC WORKS:

Totals	4 431 90 443 90	\$12.142.56
Adding Machine.	00 0988	00 099
Resetting Cutbing, Mich., 16-18.	\$129 00	\$129 00
Repairing Side- walks-New Territory.	25.52 28.52 1.38 2.53 1.38	5584 12
Repairs to Boil- ers, City Hail.	\$67 'A	55.7 25
Retaining Wall Isth and Buntand.	36 ST 15	\$172 80
Stone Crossings.	\$ \$2 00 \$1 \$6 \$2 \$2 \$2	5876 42
Sprinkling.	8383338 1 8383338 1 8383388 3	544 10 5727 91
Office Supplies.	**************************************	544 10
Quarrymen at Workhouse.	115 98	C.81 41
Hapert Stenographer.	3	00 073
Steam Rollers.	21 21 21 21 21 21 21 21 21 21 21 21 21 2	52.514 48
Pay Rolls.	25. 25. 25. 25. 25. 25. 25. 25. 25. 25.	56,439 07
Month 1897.	April 19-30 May July August Pelebuar May August August Pelebuar December December December March March April 1-18	Totals

FISCAL YEAR 1897. ENGINEERING DEPARTMENT.

Totals.	\$1,440 32 8,869 24 8,757 88				2, 000 5 2, 000 5 2, 000 5 2, 000 5 3, 000 5 3, 000 5 4, 000 5 4, 000 5 4, 000 5 4, 000 5 4, 000 5 5 6, 000 5 7, 000 5 7	£46,753 24
Westport Pay koll.			1 1	\$		57 758
səilqqu8	23 32	18 48			2% 2%	\$100
Stakes and Pield Supplies	51 812 1 50 51 - 65 62	8 8		25		\$174 11
office Purniture Purnisparing	83.2 83.2 83.2	88		_		576 50
elooT bas siasmurisai		:	:	:		
Blue Prints.		 2	12		у Э	2 2
Abstracts ans notsantoni		## 58		# 5 \$1'		
Figure Hire.	%888 € 888					= 22 22
Pay Rolls.	11 55 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2 15 15 15 15 15 15 15 15 15 15 15 15 15	23	8,045 36 1,575 30	2,735 % 2,735 % 2,135 % 44	\$13,670 th
Month 1967.	April 16-30 May June	uiy Tugust Sectoriles	October	becember	February March April 1-18	Total

FISCAL YEAR 1897. STREETS AND ALLEYS DEPARTMENT.

Totals.	20, 21, 22, 23, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24	\$78,061 48
Tools and Repairs.	#22	19 8273
Repairs, General.	#12 # 2 2 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2	\$248 72
Office Supplies.	អ្ន ទ.	£5.
Supplies.	16 == == 2	\$ 55
Vault Cleaning.	8 & : : : : : : : : : : : : : : : : : : :	3
Warehouse.	¥ 50	.9 81 85
Supply Yard.		
Trash Receptacles.	6000	00 000
Bridges and Crosswalks.	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	\$3,446 48
Streets.	**************************************	11 EM 13
Sewets.	~ 25 6 25 7 25 7 25 7 25 7 25 7 25 7 25 7 25 7	\$1,701 91
Horses and Keep.	\$\$####################################	38 CL-5.
Pay Rolls.	21.25.25.25.25.25.25.25.25.25.25.25.25.25.	508,903 25
Month 1867.	April 14-30 May May July Auginst Auginst Coctober November Igunary 1808 February March April 1-18	Totals

FISCAL YEAR 1897. BUILDINGS DEPARTMENT. Disbursements.

Month 1897.	Pay Rolls.	Office Furniture and Repairs.	Office Supplies.	Blue Prints.	Totals.
pril 19-30	\$245.84				\$245 84
May	548 53	\$2 (B	\$6.08		556 64
une	SMD AC	1	'		589 98
uly	573 78				573 78
Lugust	570 13	l .			570 18
eptember	570 13	3 00	:		578 13
october	570 13	·		!	570 18
lovember .	574 13	i		; l	574 18
)ecember	See you			!	5HO 98
anuary 1996 .	570 13	1		gi) 65	570 78
enruary	548 83	'			548 58
March	5M) (E)	1 50	0.75	!	8A3 18
April 1-18	; 313 58	:			818 53
Total .	\$6,639 60	\$6.53	SA HS	ı ş 0 65 ∣	\$8, 850 61

FISCAL YEAR 1897. STEAM ROLLER EXPENSES. Disbursements.

Month 1897.	Pay Rolls.	Coal	Supplies.	Repairs.	Rent.	Totals
	\$ 5N 50	52 A3	i			\$ 61 1:
May	(A1) (A1)	3 141	\$390 A1	\$:101 XII	\$1,20 00	1,674 7
une	.; 10H 00	3 94		, 20 26		111 11
uly .	100 50	7 71	2 71	; 1 00		120 %
luguet	127 50	7.07	1 (6			1:34 1:
eptember	. 121 50	7 70	1 15	1 5 13		134 5
ictober	105 (n)	!		: 3 15		Jen. 1.
Sovember Jecember	37 50	3 85	0 45	16 (6)		58 70
anuary 1868 February March Lpril 1-18	75 (u)					75 (1
Totals	5 98 02 50	cui si	£15-11	5346 73	\$1,250 on	£2.514 (

STATEMENT OF SPECIAL APPROPRIATIONS

For the Fiscal Year 1897.

Balance Unexpended.	\$100 00 \$30 00 35 650	82.4	\$1.252 90	8235 7V
Amount Balance Charged Back, Unexpended.	520 52	523 79	\$367 62	
Amount Expended.	5286 17		5286 17	200 17
Appropriati'ns and Balances.	5840 00 100 00 2550 00 75 00	4 20 528 79	\$1,252 99	
CONTRACTS.	To construct a public sewer in To construct drinking founds To construct public sewer in a To construct drinking founta	CONDEMNATIONS. 10 confirm verdict under Ordinance No. 4,229 to open and establish Monroe Ave. 11 from St. John Ave. to Smart Ave. Ordinance to pay M. Moran for work on sewer, certified but not passed	Total appropriations (and balances) to be accounted for	Total expenditures for fiscal year, 1897 Total unused balances charged back to fund. Total to be deducted. Unexpended balance over to year 1898
No. of Ord.	8018 8243 8418 8418	16892		

RECEIPTS OF WATER DEPARTMENT.

Classifled Table of Receipts of Water Department from the time (September 1, 1893) the City took possession.

1	Deposited with City Treasurer.		2 = =	FI DOT 100 US OF SECURITY OF SECURITY OF THE SECURITY OF SECURITY
ļ	Rebates and Deposits Returned		8 12 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	51.608 70
1	Interest and Miscel- laneous.	-	1,419 1,419 1,165 1,165 1,165	\$1.65.4 07
	Miscella- neous.		581 (0) 28,281 70 \$ 385 07 581 (0) 28,481 30 1,619 47 350 (0) 37,623 65 2,165 31	\$104,7 4 5 21
;	Fines.	!	15. 15. 15. 15. 15. 15. 15. 15. 15. 15.	. 00 118,13
::	Neters Sold		2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2	\$7,5463 00
	Meter Repairs		1.407 38 1.105 38 38 38 38 38 38 38 38 38 38 38 38 38	おがは
	Meter. Set.		12 man 15. 15 man 15.	4 ET S
	Corpora- tion Cocks.		1,04235	Cl. 140 (5
	Special Deposits Permits		25.22 25.22 5.24	915,482 70
	Special Permits		51, 1935 No. 1, 455 13 2, 009 68	\$ 1.02× 61
	Building : Permits I		20 m 20 m 20 m	\$10 test 01
	Meter Kutes		STREET BY SEATHER, \$1,100 NO. 21,100 NO. 21,400 ID. 21,	6572,211 30
	Water Kates		\$ 95,4465 11 132,5401 43 139 040 52	Selections on
	Fical Year Ending		April 20, 1836 April 19, 1897 April 18, 1898	Totals

EXPENDITURES OF WATER DEPARTMENT.

Classified Table of Expenditures of Water Department from the time (September 1, 1893) the City took possession.

	Totals.	\$190,840 53 357,907 78 432,486 71	CONTROL TO SOME THE SERVICION OF SERVICION O
11 11 11 11	Appropri- ations to Extend Mains, etc.	\$11,427 11 20,000 52 67,105 37	\$109.220 70
	Sinking Fund.	\$10,000 00 50,000 00 60,000 00	\$150,000 00
	Interest on Bonds.	00 057,86 00 058,881	S118,097 50
	Rebates and Refunds	21.8 7.28	₹ 11 12
	Asset or and Col. 1 lector of Water B		06 T81,428;
	Miscel- laneous Exp`nses	24.00 16.00 16.00	\$13,03 19 40
:	Onindaro Fumping Station.	515, 884 65 51, 689 12 72, 639 23 80, 070, 68	SALL LAND SPE
٠	Turkey Creek Fumping Station	20,012 11,010 11,000 10,000 10	501,1574 84
	Better ment of Plant	4 1 10 1 4 5 4 1020 12 13 1005 50	\$13,00 0 KS
	Meter Depart- ment.	5 2022 MI 13,125 W	\$55,944 W
	Inspe- tion De partment	25	STATE OF
	Street Depart ment	2000年 日本	1× 141 (65)
	Superm tendent and Fu guner's	20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Car was 17
	15 d Year Induig	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

FISCAL YEAR 1897. DEPARTMENT OF WATER WORKS.

Receipts.

f 1	1	
City Treasure Deposited With.	\$ 2,706 07 23,107 46 24,147 80 56,144 80 56,144 80 56,219 10 26,219 10 27,147 80 21,473 81 21,473 81 21,473 81 21,473 81 57,184 92	\$427,115 21
Rebates and Deposits Re- turned.	\$186 \$5.5 10 \$2.5 10 \$2.5 10 \$2.1 10 \$	5H,5H 20
Comptroller's Receipis, In- terest and Mis- cellaneous.	\$ 21 10 1 31 448 77 420 45 867 88 877 88 275 62 281 91	\$2,168 68
Miscellancous.	8 4 00 8 2 4 00 8 2 4 00 8 2 4 00 8 2 2 10 8 2 10 11 11 12 12 10 12 12 12 12 12 12 12 12 12 12 12 12 12	\$37,622 96
Fines.	######################################	\$359 00
Meters Sold.	\$ 40 50 50 50 50 50 50 50 50 50 50 50 50 50	\$3,427 50
Meters Repaired,	**************************************	\$2986 55
Meters Set.	28 8 8 8 1111 3 111 3 1 1 1 1 1 1 1 1 1 1	\$2,209 88
Corporation Cocks,	**************************************	\$1,899 50
Deposits.	2.83 2.23 2.23 2.23 2.23 2.23 2.23 2.23	\$9,356.25
Special Permits.	25 25 25 25 25 25 25 25 25 25 25 25 25 2	\$2.000 66
Building Permits.	25.58 20.00	\$H,894 76
Meter Rates,	\$ 948 (0) 18.109 17 18.275 62 19.675 52 19.675 52 19.675 52 19.675 52 19.647 66 11.728 (9) 11.728 (9) 11.728 (9)	\$24,123 81
Water Rates.	\$ 1,552 % 1,350 % 1,350 % 31,655 % 1,707 % 1,707 % 1,508 % 1,5	\$139,091 52
Month.	April 19-30 1867 May July July August Splember October November December Berember Hebruary, 1886 February, 1886 April 1-18	Totals

FISCAL YEAR 1897. DEPARTMENT OF WATER WORKS.

Expenditures.

Receipts Total.	\$127,084 68 \$7.08 07 \$1.16 07	24 576	¥ 3	150 87	72.57	¥, ∓	55,736	21.471	2	۵۲'). د		!
Expenses Total	13,080 97 21,064 43	3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	ê	*	ş	3	Ž:	Ē	121,608 12	
Appropria-	E 5		2 T T T T T T T T T T T T T T T T T T T	3		3					:	
Sinking Fund.		: :	530,000 00		:	•	80,000 (0)		:	-		
Interest on Bonds.		(H) (N:1 '050	:		:	69,047 50		•		:		-
Rebates and Refunds.			3.2 1.2				;		ž.			1
Ansessisor at Collector	98.6 98.6 98.6 98.6										'	!
oenallessild seaneqxH											 : :	 - -
Quindaro Station.			1 E 2 1 2 1 2 1 2 1 2 1 1 1 1 1 1 1 1 1						3. 3.	_		
Turkey Cree Station.	5. 15. 5. 15. 5. 15. 5. 15.	¥:	7 E	3	53	3	ī	£	21	-	:	- -
Betterment o		Ŧ	£ 5	- F	2 2	至天	ñ	=	8		;	
Netent Department — ·			25	₹:	- - 2	Ī					- -	
nobseqani Insminaqs(I	5 5 5 7		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									1
Server Insurfacent	5 F											i - -
buətairəquë rd baa taə amO x'rəənig	5. 13. 13. 13. 13. 13. 13. 13. 13. 13. 13	= ;	8 7 2 7	3	: 3 : 3	4	7	5. 3	£ 100	î		•
Month.	Balance with City Treas. April 19:30 1907		7	mher	Version ber	mler	41. JAN	0.11.0	March	1.1.4 bee # 11.b	City Ties.	

APPROPRIATIONS For Extensions of Water Mains and Improvements.

Ordinance Folio	Location of Main or Improvement.	Appropria- tions and Balances.	Amount Ex- pended.	Amount Charged Back.	Balance Unex- pended.
493 20	Main on Woodland, 28th to 29th	\$ 918 00	Service Service 11	\$ 918 00	-311-13-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
749 32	Pumping Engine at Turkey Creek Sta- tion	34,630 74	\$27,169 18		\$ 7,461 56
931 34	rumping Engine at Turkey Creek (low	of the state of th			
169 37	Main on Elma, Park to Ord	1 55 127 00	65 13	61 87	Total September 191
170 38	Main on Virginia, 13th to 14th	382 00	96 20	285 80	manage Care
195 39	Main on Euclid, Independence to 7th	714 00	190 13	528 87	
3188 40 3244 41	Main on Gladstone, 7th to 9th Water Tube Boilers, for Turkey Creek Station	703 00 14,500 00	187 18		2,958 77
277 42	Main on 21st, Belleview to Madison	832 00	121 48		2,000 11
330 43	Main on Park, 9th to 12th	1,200 00	309 19	890 81	
340 44	Main on Garneld, 30th to Blst	643 00	154 00	489 00	part of the large
346 45	Main on Flora, 30th to 31st	704 40	166 25	538 15	
347 46 348 47	Main on Woodland, 22nd to 23rd Main on Lydia 17th to 18th	497 00 777 00	141 50	855 50	440 24
349 48	Main on Baltimore, 29th to 31st	1,257 00	836 76	1,257 00	430 63
368 49 399 50	Main on Harrison, 5th to Independence Repair of Basin No. 2 at Quindaro Sta-	1.183 00	329 37	858 68	
401 51	tion Main on 22nd, Woodland to Highland	6 500 00 351 00	5,952 72	547 28 207 85	
471 52	Main on Baltimore, 29th to 31st	1,503 00	498 25	1,004 75	properties
1498 58	Main on Forest, 20th to 31st	1,278 00	368 50	909 50	in the same
588 54	Main on Oak, 30th to 31st	617 00	162 60	454 40	or more makes
571 55	Main on Levee, Delaware to Dog Pound	55 (0)	55 00		
600 56 616 57	Main on 29th, Campbell to Troost Main on 29th, Grand to Baltimore	650, 00	150 50	499 50 211 75	
667 58	Main on Montgall, 21st to 22nd	326 00 441 00	114 25 105 90	1035 10	The state of the s
668 59	Main ou 14th, Indiana to College	261 00	81 50	180 50	
684 60	Main on Morrell, Walrond to Bales	1,226 00	287 00	14314 00	
717 61	Main on 6th, Prospect to Walrond	1.910 00	401 25	1,508 75	
763 62 822 63	Main on Highland, 12th to 15th	1,315 00	300 50	1,014 50	
859 64 876 65	Purchase of Pipe Main on Highland, 10th to 11th Main on Brooklyn, Lexington to Pen-	4,000 00 347 00	3,381 82 76 50	618 18 270 50	indicate con
	dleton	270 00	97 25	172 75	sonecrompin
877 66	Main on McGee, Independence to 6th	327 00	106 50	220 50	Service on On
878 07 8905 68	Main on Michigan, 16th to 18th Main on 15th, Cypress to Lawndale	719 00 562 00	170 45 113 00	548 55 449 00	meening on
918 69	Main on Indiana, 18th to 25th	5.457 00	1,355 70		April - No. (1994-
978 70	Main on Askew, 18th to 300 feet north	200 00	67.00	133 00	constant
980 71	Purchase of Pipe	9,500 (0)	9,120 87	879 18	Auto-Otelata
057 72	Main on Missouri, Maple to Garfield	396 00	119 00	277 00	HBMM TOPHER
058 78 059 74	Main on Bales, 12th to 14th Main on 23rd, Woodland to Michigan	958 00 536 00	200 50 258 50	757 50 277 50	or provident
077 75	Main on Belleview, 28th to 29th	1,022 00	172 00		Manager Co.
128 76	Main on McGee, 30th to 31st	591 00	164 37	426 68	
129 77	Main on Chestnut, Independence to		100.000	1333	
054 70	Richmond Pl	3655 (10)	219 00		
$\frac{0256}{0304}$ $\frac{78}{79}$	Main on Charlotte, 18th to 19th	287 00 711 51	60 37 158 50		556.04
835 80	Main on Summit, 20th to 21st Main on 23rd, Baltimore to Main	290 00	123 00		167 00
872 81	Main on Harrison, 29th to 31st	1,184 00	231 35		952 6
373 82	Main on Michigan, 23rd to 224 ft. north	224 00	59 (8)	to the land	165 00
409 83	Main on W. Prospect, 23rd to 21th	1033 98	94 31		539 6
410 84 $ 452 85$	Main on Forest, 18th to 320 feet north	2,500 00	1 185 04	****	1.014 06
494 86	Main on Harrison, 31st to 32nd	118 Ou	1,100 101		918 0
195 87 530 88	Main on 38rd, Highland to vine Main on 20th, S. W. Boulevard to Broad-	85 10	N5 181		
	way where we will be to the out of	548 63	(Vanan, 1)		238 93
	Totals	\$108,518.84	567, 405 37	\$25,200 57	\$15,903.90

Respectfully submitted,

R. M. GODFREY, Secretary.

PURCHASING AGENT'S REPORT.

Statement of Stamps Purchased for the Different City Departments for Fiscal Year Ending April 19, 1898.

Totals.	-:	€ { \$1}		3 E	31 18	3	S :		2 5	88	3 5	148 55	= ==	\$	150 E	31	- 8 %	, 3	30 50	8	57 10t fg
KI-I IhqA Huni	8 %	3 21	 :				2					8				-:		S	8		8 5
March.	35 15	8		3				8	3	100		8					8		8		0+ 20%
February	\$119 00 7 7 00 7						3	_	_	8 3		9	3	-		25			3	_	A 888
January. Jast.	\$78 B0			88										2	:				_	8	S144 70
December	5140 38	8					9	9						9		:		=	=	8	00 8975
November	£ 8	8				3	ķ	=	9			3 8	_	_	8		-		-	2	E E
October.	S1 1413			8 8 * 2				5	Ē	3		=		4			99	9	3	8	\$100 B0
:k-ptember	88		_	2 5			8		Ê			= =				21	•			8	53 Hz
August.	\$1372 35	8			8				9		3			8			8	5	8		S 1485
Viul	3 , °	8					=	É		3	= :	Ē	9			3				3 =	04 5005 5005
Jane.	£,	3		3 9				3		Ē	•	•	7	3			_	3	ŝ	3	S135 E0
Yak.	8 45		2		8	•	9	200	.s	8	3	<u> </u>	9		9	•	ê	•	8	8	e 912
,us-el lingA Tunt	S26 00	3	20 20	8 8				ě				8 8					:	=	=		(1) (1)
DEFARTMENTS.	Water ity Hertrical Ingrector	Park Board	ity Treasurer	ity Plumbing Inspector	ity then will perfector	iv Clerk	11. 1560-01	dayor's Secretary	uperintendent Street.	superintendent Building.	ity Boiler Inspector	ty inditor	The Finguists	lear of supplies	10.000	in Pitter	tour Purblic Works	it Varket Vister	Consider and bearing of Health	to ree Department	To tals

STATEMENT OF PURCHASES

For the Different City Departments for Fiscal Year Ending April 18, 1898.

Mouth.	Board Public Works.	Water.	Fire.	Fire Patrol.	Work House.	Hospital and Board of Health.	Hospital Printing and and Station- I	Expense.	Park.	Totals.
April 19-30, 1897 May. May. May. July. July. July. August September October Drovember January, 1808 March. April 1 to 18	2,9835 85 2,9835 85 1,9835 85 1,835 80 1,835 80	\$10.47.83 13.522.83 13.522.83 19.768.83 6.053.73 8.500.74 11.77.02.19 17.77.77 17.77.77 17.78.72 17.78.72 17.78.72 17.78.73 17.78	\$ 60H 47 2,040 20 1,204 60 1,925 66 7,44 38 1,458 35 1,658 47 1,68 35 1,68 35 1,02 17 1,02 17 1,02 17	83 11 28 88 11 12 88 88 11 12 11 12 12 12 12 12 12 12 12 12 12	\$153 61 408 56 418 312 65 418 73 418 73 411 73 513 61 513 61 542 58 542 58	\$582.04 1,557.72 1,156.77 1,156.72 1,055.72 1,056.16 1,056.02 1,560.02 1,56	28 88 88 88 88 88 88 88 88 88 88 88 88 8	24 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	25 25 25 25 25 25 25 25 25 25 25 25 25 2	\$18,178 96 \$3,056 89 19,624 51 18,062 45 18,062 45 18,770 27 18,770 27 18,770 27 17,587 15 17,587 16 10,679 64 10,679 64
Totals \$16,917 10	\$16,917 10	\$122,220 07 \$19,254 82 \$2,757 15	\$10,254 82	\$2,757.45	56,6413 86	\$15,056 16	56, 6413 86 \$15, 415 14 \$10, 572 28 \$20,742 89	\$20,742.89	\$1,818 87	\$1,818 87 \$215,448 88

Respectfully submitted.

W. S. CAMPBELL, Purchasing Agent.

ANNUAL REPORT

OF THE

CITY ENGINEER,

FOR FISCAL YEAR

Ending April 18, 1898.

To the Honorable, the Board of Public Works.

Gentlemen:—I have the honor to submit herewith, report of the operations of the Department of Engineering for the year ending April 20th, 1898, accompanied by tabulated statements setting forth in detail the nature of all public work constructed during the fiscal year, and also all work under contract at this date.

Respectfully submitted, HENRY A. WISE, City Engineer.

STREET PAVING CONSTRUCTED DURING FISCAL YEAR ENDING APRIL 18, 1898, AT NOON.

Barber Trinidad Lake Asphalt.

No. of Bills.	51 171 171 171 18 16 16 17	47.9
Cost.	56.561 98 11.138 98 1.712 97 1.773 97 1.730 17 1.730 17 2.884 76 1.117 64 10,152 94 10,152 94 10	\$91,896 76
Cost per Sq. Yd.	33353333 3 333 8 333333333 3 333 8	2 12
Square Yards.	8,109.40 6,254.70 4,416.00 4,416.00 1,476.40 2,485.10 4,886.10 6,535.10 1,631.80 4,786.70 4,786.70 1,689.40	48,492.70
Lineal Feet.	910.99 1,847.39 12.81.90 12.44.80 17.48.00 1,756.50 1,776.30 1,776.30 1,420.20	13,672.20
Foundation.	1% in. bituminous conc., 6 in. hyd. conc. 18 in. bituminous conc., 6 in. hyd. conc. 18 in. bituminous conc., 4 in. hyd. conc. 18 in. bituminous conc., 4 in. hyd. conc. 18 in. bituminous conc., old conc., 6 in. 18 in.	
Thick- ness. Inches	********* * *** *	
Former Pavement.	None. Cedar Blk. None. Cedar Blk. None. None. None. None. None.	
To		
From	S. Jine Sixt E. Jine Wo W. Jine Br W. Jine Br W. Jine Br S. Jine Ten J. Jine Gh W. Jine Ch H. Jine Ch	2.59 miles.
Street.	Charlotte st Fighth st Fightheenth st Sixteenth st Brooklyn ave Trenth st Twentyninthst Campbell st Campbell st Lydia ave Indiana ave	13 Contracts.

Cedar Blocks taken up, 8,736 lineal feet. *Combination Pavement-Trinidad Lake Asphalt and Diamond Beveled Edge Brick.

AMERICAN BITUMINOUS ROCK (GILSON) ASPHALT.

	No. of Bills.	so	57	8	148	9	••	358
-	Amount.	\$ 9,159 00	S. 180.9	19.128 B	18,452 10	3,1% 56	1,230 81	\$70,248 98
1	Cost Per Sq. vd.	8 24	5 10	8 8	8	2 10	5 7	ಕ್ಷ
11	Lineal Square Per Feet. Vards. Sq. Vd.	4,579 (10) \$2 (0)	4,380 90	14,543 10	8,871 30	1,517 60	266 10	84,447.90
	Lineal Feet.	3	1,467 00	4,863 50	2,540-40	02 239	8	10,016 10
	Former Thick. ness Foundation. Pavement. Inches	dar Blks 2 fin. Old Concrete	Noue. 2 8 in. Concrete	dar Bika 2 din do	None. 2 hin, do	None 2 ain, do	dar Blk 2 6 in. do	
The Section 1 - 1 - 1	From To Pa	Grand Ave So line of Twen North Line Belt tieth St. Lieth St. Line Bridge Cedar Biks	Ave Main St.	Ave Cer	ine pun st south line i wen-	neth St. Limits 314 St.	t Line Mover that the onk St. Ce	1 to mile.
i.		Grand Ave	The state of the s	Vincteenth No. F.	Broadway	0	Fight of Fig	b Contracts

Cedar Blocks taken up, 5,359 lineal feet.

MACADAM.

	No. of Tax Bills.	-		198	8 8	, \$
	Total Cost.		\$13,596 74	11,986 34	82,477 74	\$58,000.82
	Cost per Square Yard.		£ 13	8.	3° 38	\$1.047
	Square Yards Paving.		7,870.20	15,771.50	81,750.80	14,806.10 55,892.00 \$1.047
	Lincal Feet Paving.		1,759.70	5,416.40	7,630.00	14,806.10
	iscella neous,	K	Stone Wks.	+ daspert	The second section is a second	
	cost of Pipe, atch Basins, Etc.	9		(see - 10Hb)	886 19	
	Bethany Falls Limestone.	In.		9		1
sed.	Broken Limestone	E.	10		00	نځ
Material Used	Crushed Limestone,	ā	18	1	-	peal
ateri	Broken Granite.	ii.	8	Î		1 2
×	Crushed Granite,	Ë	po	-		ş
	Janel.	E	Ĭ		*	, č
	Gravel	E.		1	1	ke n
	Limestone Sereenings.	п	9	100		cs ta
	Granite Screenings.	E	m			Bloc
	Former Pavement.		None.	Cedar Blk.	None.	Cedar Blocks taken up, 5,416.40 lineal feet.
	ę		Eastern city limits	A point 85 ft. east of the SE. corner of lot 57, bl'k	Southern city limits, center of 81st	files.
	From		ndependence Boulevard E. line of Walrond ave. north of St. John ave	Guinotte Ave W. line Lydia ave	Indiana Ave S. line Eighteenth	2.80.7
	Street.		Independence Boulevard	Guinotte Ave	Indiana Ave!	3 Contracts.

No. Bills		27	ភ ខ		13		2 19	햻	왩	2 2	→ 33	Ç:	\$ 3	Į	31 2	! '	#	88	7	1 8
Cost.	7, 97, 97, 97, 97, 97, 97, 97, 97, 97, 9	1,671 67	1,600 21	4,711.30	5.180 5.180 5.040	5. SOS 5.	28 S847 92 23 385 38	4,781.41	50 SE-12	Z 35	1,170 % 4,523 %	6,110 06	200 T	8.557 16		3,000	8,515 01	8,016 44	1,007.51	H4,330.50 \$1 30.7 \$117,824 10
Cost per per Square Vard	====	82	1 17		:: [×	= %	2	1 418	;;	1 36	1 40	2.3	. ≘		: =	-	2,012.30 1 19 9-10	816.60 ;1 34 4-10	12 38.7
Square Varde	1, 404 40 9, 201 50 5, 7(3, 20	432.70 1,0%5.50	2,457.40	3,194,10	3, 431 E	2,155,40	1,707.E	3,369,30	5,505,30	2,540.30	8,517.00	8.418.10		2,521.60 11	3 X X X	06.90	2,575.10	2,012 30	814.60	FE 1300.60
Lincal Feet.	1.257 W 1.257 W 1.356.40	45.07.2 5.07.2 	653.10 866.00	27.3	8 £	Ŷ.	610.34	792.EE	1,149.90	見ばに	546.30	1, (415, 60)	9 £	1,125.00	25.25	010.70	= 12	746.70	290,00	24,996.18
Foundation.	4-11 ced.bk Port Cem. Grt 4 in concrete, 2 in sand Macadam Sand Old macadam. 14 in sand. None 'Port. Cem. Grt 6 in concrete, 2 in sand	Macadam Port, Cem, Grt Old macadam, 2 in, sand Bank Grav Port, Cem, Grt 8 in, concrete, 2 in, sand	Grt 6 in. concrete, 2 in. sand Grt 1 in. concrete, 2 in sand	Grt fin concrete, 2 in, sand Grt fin old cone, 2 in, sand	it 6 in concrete, 2 in. sand	8 in concrete, 2 in. sai d	concrete, 2 in.	S.W. Byd Cedar Blks Port. Cem. Grt 6 in. concrete, 2 in. sand	6 in. concrete, 2 in sand	din concrete, gin sand	None Sand 6 m. concrete, 2 in. sand Cedar Blks Port. Cem. Ort 8 in. concrete, 2 in. sand	Grt fin. concrete, 2 in. sind	Cem. Grt 6 in concrete, 2 in sand Cem. Grt 6 in concrete 2 in sand	Grt Win. concrete, 2 in. sand	Cirt & in. concrete, 2 in. sand	Crt 6 in. concrete, 2 in. sand	f in. concrete, 2 in. sand	s in. concrete, 2 in. sand	6 in concrete. 2 in. nand.	
Spaces between lirich	Port Cem. Gr. Sand Port. Cem. Gr	Port. Cem. Gr Port. Cem. Gr	E S	Port Cem. Gr	None Port Cem. Grt 6 in.	Sand	Sand	Port. Cem Gr	Sand	Sand	Sand Port. Cem. Gr	Cem.	Port Cem. Gr		E E	E S	Sand	Sand	Sand	-
Pavemen	p-11 ced.bk ¹ Macadam None		Cedar Blk.	Cedar Biks Port Cem.	None	None	E E	Cedar Biks	None	None			ono.		None	None	None	None	None	i i z
9	N. line lith at Liberty & N. line lath &	H line Liberty Genesee &	E.li.Pennsyl'ia Cedar Blks Port. N. line 11th st., None Port.	N. line ath at	N line 314 L		N line 21-t st	N. li S.W. Bvd	W line Olivest	E li. Baltımore	W li Liberty of C line 17th of		White Balesay	Z	N. line left &		N. line 14h 4	C line and st	So. City Limits None	+ 74 miles
l rom	N line wh & Skrteenth & Skrteenth & Siline 12th & Skrteenth & Skrt	ory of Wyoming of	way k		S line ich st.	3. line 1sth st	S line 34h st Eighteenth st	C line 17th st.	E line Wood	W li Granday	ming 4	Tendence at	F. line Waltond		7 425 644 /	7 June 214 4	V line John &		N Brd	We contracts,
Street	Lydia ave Wyoming at Lydia ave	Nineteenth M	Virginia ave	Wyandotte -t	Raltimore ave	olive st	Belleview ave Lowiet st	Raltimore ave	Stateenth -t	A vente nth A	Bultimore ave	i i i i i	Kohert of	Wiandatte -t	Newdland ave	Helleview ave	Michigan ave	ř :	; :	

Cedar blocks taken up, 7,311,90 feet

Macadam taken up, 2,731.10 feet.

ALLEY PAVING CONSTRUCTED DURING FISCAL YEAR ENDING APRIL 18, 1898, AT NOON.

Brick Paving.

No. of Bills.	97		£ 55	3	នន	335	#	2:	<u> </u>	340
Total Cost.	£ 3.7,	1.080	3 1.8.1	278 31	1,056 35 41,188	85 957 977 88 178	59A 77	1,878 48	35. 13.	\$11,995 32
Cost per Square Yard.	€ 5.	₹ ₹	181	1 619	1 28	<u> </u>	1 89 4-10	함 -	14	1 528
Square Vards.	384.50	519.00	818.40	183.70	791.30 527.20	397.70 511.40 686.30	01 ¥9	967.30	582.30	7,812.40
Lineal Feet.	57.78	331.00	147.50 147.60	147.60	453.20	200.80 200.80 4:x.x.	267.10	601.00	315.50	4,882.00
Foundation Sand Conc. Inch. Inch.	7	e -		•	ee	***	æ	•	•	
Foundation Sand Conc.	71	≓ ,	1 21 21	71	พพ	24 24 21	71	21	31	
Spaces between Brick.	Port. Cem. Grt	Port. Cem. Grt	Port. Cem. Grt.	Sand	Sand Port. Cem. Grt	Sand Sand Sand	Sand	Sand	Port. Cem. Grt	
°t.	Pennsylvania avenue Port. Cem. Grt	A point 110 ft. north of Eleventh street	Walnut street Fourteenth street	South line of Law- ton Place Addition	Sixth street Missouri avenue	Fleventh street Ninth street Thirteenth street	Park avenue	Twenty-first street	Fifth street	miles.
From	Washington street	:	:	:		Alley immediately sauth of Tenth street likighth street iTwelfth street	Brooklyn avenue	Twentieth street	Fourth street	tracts, 14. 0.92-109 miles.
Between		Main street and Baltimore, avenue Trens av Thirteenth street	Third st. and Fourth st Grand ave. and McGee st.		Delaware street and Wy- andotte street Grand ave and Walnut st Fifth street		street and eet	wasnington street and Pennsylvania avenue. Delaware street and Wy-		Number of contracts, 14.

Cedar blocks taken up, 808 3-10 lineal feet.

PROPERTY AND RESIDENCE OF THE SECOND STATES OF THE SECOND SECOND

RECAPITULATION OF STREET PAVING CONSTRUCTED DURING FISCAL YEAR ENDING APRIL 18, 1898, AT NOON, NOT INCLUDING ANNEXED TERRITORY.

Material Used.	No. of Con- tracts.	Lineal Feet.	Miles	Square Yards.	Cost.	Aver- age Cost per Sq. Yd.	No.of Bills.
Barber Trinidad Lake As- phalt Parker-Washington Trini- dad Asphalt	18	18,672.20	2.59	48,492.70	\$91,896 76	\$2 12	594
American Bituminous Rock (Gilson) Asphalt Vitrified Brick Macadam	6 29 8	10,019.10 24,995.48 14,806.10	1.90 4,78 2.80	84,447.90 84,890.50 56,892.00	70,248 96 117,824 10 58,000 82	2 04 1 81 1 047	865 1166 487
Total	51	68,492.88	12.02	217,668.10	\$887,969 64		2632

STATEMENT OF STREETS PAVED TO APRIL 18, 1898, NOT INCLUDING ANNEXED TERRITORY.

Material Used.	Total Lineal Feet Constructed,	Lineal Feet Taken Up and Repaved.	Lineal Feet Constructed at Time of this Statement.	Miles.
Asphalt Vitrified Brick Cedar Blocks Stone or Granite Blocks Macadam	211,027.80 125,677.48 279,952.00 15,091.00 121,925.00	1,980.00 2/6,908.00 *5,211.00 12,811.00	211,027,30 128,747,48 78,044,00 11,490,00 109,615,00	89.97 28.44 18.78 2.12 20.76
*Reconstructed.	753,678.73	224,360.00	629,818.78	100.07

In addition to the above, there is constructed in annexed territory: Trinidad Lake Asphalt, 20,220 lineal feet, 7.48 miles; Macadam, 160,370 lineal feet, 30.37 miles.

STATEMENT OF ALLEYS PAVED TO APRIL 18, 1898.

·		٠.	-		
Material Used.	1	Total Lineal Feet Constructed.	Lineal Feet Taken Up.	Lineal Feet Constructed at Time of this Statement	Miles.
	1	:			
Vitrified Brick Stone Blocks		18,159 00 3,753 20	294 (B)	13,159 (0) 3 467 20	2 19 0 88
Cedar Blocks Macadam		2,011 00 1,690 00	6x7,30	1 323 70 1,600 00	o 25 o 31
- 					
	!	20,622,20	973 30	19,645 (4)	a 71

Comparative Statement of Street Pavement Constructed from January 1, 1889, to April 18, 1898,

Not Including Annexed Territory.

,	Average Cost per Sq. Yard.	25 CH
rick.	Cost.	40,890 40,890 57,657 195,184 61,914 48,719 117,224
Vitrified Brick	Square Yards.	18,256.72 24,079.80 84,829,80 118,968,90 45,977.80 82,448.40 82,448.50 84,880.50
Ň	M iles	0.067 11.27 11.80 6.08 11.92 11.92 11.88
	Lineal Feet.	8,525.00 6,682.50 9,534.95 82,116.10 10,157.70 38,128.60
phalt.	Average Cost per Sq. Yard.	ਨ ਨ ਹ
Parker-Washington Trin. Lake Asp. Amer. Bitum. Rock (Gilson) Asphalt	Cost.	58.822 79 \$2 018 10,018.10 1.90 3,447,500 70,248.96 2 10
. Rock (G	Square Yards.	# 146.00 2,049.20 \$6,125 of 15
Bitum	Ę.	8
Amer. 1	Lineal Feet.	446.00 10,019.10
e Asp.	Average Cost per Sq. Yard.	\$3 018
Irin. Lak	Cost	<u> </u>
hington	Lineal Mi. Square Feet. Mi. Yards.	1,256.00 0.24 4,138.80 \$9,822.79
r-Was	, K	00.34
Parke	Linea Feet	1,258.60
	Average Cost per Sq. Yard.	986 526 526 527 527 527 527 527 527 527 527 527 527
ke Asphalt.	Cost.	\$21,407.76 112,688.86 25 48,880.92 2 124,117 49 20 124,117 49 20 257,096.86 2 257,096.86 2 257,0
Barber Trinidad Lab	Square Vards.	1,645.63 15,031.47 15,031.40 57,110.34 48,163.80 1118,493.80 1118,493.80 1118,632.90 113,032.00 114,632.00 114
er Tri	Miles	0 4 0 9 4 9 4 9 4 9 4 9 4 9 4 9 4 9 4 9
	ineal Feet.	10,754.30 10,754.30 10,754.30 10,754.30 10,754.30 10,754.30 10,754.30 10,753.30 10,7
tructed.	t	1889 May 9, 1884 2570,00 1889 Apr. 30, 1884 10,764,30 1891 Apr. 181 4, 307,00 1891 Apr. 18, 1882 15, 138,00 1892 Apr. 16, 1884 29, 008, 10 1893 Apr. 16, 1884 29, 008, 10 1894 Apr. 18, 1885 27, 221, 70 1895, Apr. 20, 1886 18, 721, 73 1894 Apr. 18, 1887 48, 186, 70 1895, Apr. 20, 1887 48, 186, 70
Date Constructed.	From	Jan. 1, 1889 May 9, 1899 10, Apr. 3, 1800 10, Apr. 30, 1800 10, Apr. 30, 1801 14, Apr. 30, 1802 14, Apr. 13, 1802 14, Apr. 13, 1802 14, Apr. 14, 1803 12, Apr. 15, 1803 12, Apr. 16, 1804 24, Apr. 16, 1804 24, Apr. 15, 1803 14, Apr. 16, 1803 14, Apr. 16, 1803 14, Apr. 16, 1803 146, 1803 146, Apr. 16,

Comparative Statement of Street Pavement Constructed from January 1, 1889, to April 18, 1898.—Continued.

	Cost.	\$ 24, 158 89 864, 874 89 864, 874 89 232, 157 04 232, 185 94 662, 485 66 663, 688 99 887, 760, 64
rotals.	Square Yards.	11,744.38 245,852.70 78,756.00 1123,071.79 132,241.80 302,244.85.30 185,880.46 2234,485.38 2234,485.38
ř	Miles.	0 0 4 5 6 7 11 14 5 9 9 1 1 2 3 11 14 5 9 9 1 1 2 3 11 14 5 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Lineal Feet.	20, 20, 20, 20, 20, 20, 20, 20, 20, 20,
	Peo Sagre Cost braf per seq	3 -000000 2 -0000000000000000000000000000
	. Cost.	22,746 18 1,161 30 22,836 31 18,151 46 19,163,47 17,180,04 17,180,04 18,180,04 17,180,04 18,180,
Macadam	Square Yards.	4,084.70 2,776.60 74,613.70 21,772.60 21,772.60 31,822.60 31,822.60
	Miles	
	Lineal Feet.	1,027.40 · 0.194 565 m 0.100 8.855 m 1.070 11,643.00 202 11,1948.60 1.30 24,126.40 4.57 24,126.40 4.57
	Average Cost ber Sq. Yard	522 S3
	Gast.	11.100 70 F. 11.100 70 F. 11.100 70 F. 100 70 F. 100 F. 10
Cedur Blocks.	Square Vards	146,722,14 50,884,69 4,572,80 8,481,60 1,702,00
9	Miles	
	Lincal Feet	286.673.97 14.901.70 1,686.20 C. 2,088.15 C. 6800.50
	Average Cost. per Sq. Yard.	742
k,	Cost	2 X 7 X 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Box	44.4	2010 10 10 10 10 10 10 10 10 10 10 10 10
ž		제요요 건물론 전문도 건물론
	Lineal	11.17.17.17.17.17.17.17.17.17.17.17.17.1
neted	<u>.</u>	Jan. 1, 1989, May 9, 1889 May 8, 1889, April 20, 1880 April 1889, April 20, 1881 April 1889, April 20, 1882 April 1889, April 20, 1882 April 1889, April 20, 1884 April 1889, April 20, 1884 April 20, 1886, April 20, 1888 April 20, 1886, April 20, 1888
Date Constructed	. .	
Date	1 H	Jan. 1, 1999 May 9, 1899 May 8, 1899 April 20, 1899 April 20, 1894

B.-Stune Blacks Repairs. C.-Cedar Blacks Repared.

at Noon.
1898,
ng April 18,
ling Ap
Year End
Fiscal Year
During
Constructed]
Curbing
'al Stone
Natur

Z	Natural	Stone Carbing	Constructed During	Fiscal	Kear	Ending	April	18, 18	1898, at N	Noon.		
 - 	! i	 	.e.	Constructed by Owners.	ted by	$\overline{}$	Constructed		by Public Contract. Total		Constructed.	No.
Stret.	Side.	From	Phicks Thicks	Lineal Peet.	Price. Cents.	Cost.	Lineal Feet.	Price. Cents.	Cost.	Lineal Feet.	Amount.	of Tax Bills.
	Both.	Twentieth st	35	495.00	46%	\$ 282 65	916.60	49% 2,44	\$ 458 78	1,411.60	948	87
Harrison st		Eighteenth st	Nineteenth st	100.00	3	00 27	811.80	12	25 25	911.80	22.23	123
Lydia ave		Filteenth st		20.00 4 ,1	2,2	33	109.00	. 88 7. 88		8.7 ‡ .5	1 , 2	77
Charlotte st	::		h st	955.00	‡ \$	8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	20.00	#	20018	1,808.00	E S	Ŋ.
Washington st	:	Fourteenth st	st	92.28	2 2	200	322.30	2 22	8 25 25 25 26 26 27	820.80	2 S	- IG
	::	Baltimore ave	Broadway 5	-			2,184.50	÷ ;	25.55 25.55	2,134.50		æ ×
Central st	:		eth st				2,829.00	: 9	1,141 21	2,820.00	1,141	38
Baltimore ave	:	ъ Ж	- - - - -	610.00	ī	287 46	1,541.86	3 2	2 3 3	2,161.85	1.569	3
Locust st	Fast.	Ve		:			181.50	2	135 90	878.00		3
Central st	Both.	1	S. W. Boulevard	60 00	, i	07 07	900	\$? ? ?	200	80.00	108.90	\$ 0 9
rignicentn st		Baitimore ave			* \$	ğ.	80.00	, a	\$ P	3 18, 7		ş
Fighth st	::	Woodland ave	Olive at	1,646.00	\$ 7.	200	1,878.50		- 857 135 51 135	8,549.00	- i	≢.
:		Main st Holly st	West Prospect Pl	164.50	2 2 2 2 2 2 3 3 3 4	3 8	490.50	\$ \$ %	52 58 87 49	95,6.00	212	⊣ ຄ
					:		22.00	•	28		i	,
Minnie ave	: :	Garfield ave	Olive st	1.211.00	2°	25.5	00:100	~ 46%	~	1,524.00	8 2	æ č
Wyandotte st	:	Seventeenth st	evard	20.00	14	2	1,837.50	12	**	1,907.50	3	3
	:	Wyandotte st			- 		1,368.00	2	725 04	1,868.00	i.	73
Campbell st	Fast.	Twenth-ninth st.	South Line Beacon Hill Park Add	287.00	4	106.66		_		287.00	106 65	:
		North Line Beacon			. :	1	;	•	1			ı
Charlotte st.	Both.	Hill Park Add	Hill Park Add	8.5		8	141.10	2 5	26 ok.	7.65	\$ P	-
Cherry st	:	Independence ave	Eighth at				95.18	12	- 16 48	8 T.	78 45	2
Indiana ave	:	Twelfthst		000.00	32	90 99	0.565.10	 	3 2 2 2	2.185.20 34.00	1,978,90	Ķ
Lydia ave	:	Twelfthst	Fifteenth st 5	341.00	41%	151 74	2,045.16	× × ×	£ 125	2, 476.16	1.084 16	Ε.
Sixteenth st	:	Woodland ave	Olive st			:	8,748.40	2,27	33 33	3,748.40	2,156	38
Tenth st	:	way		297.00	2	118 50	153.40	E	~ 1281	592.20	270 13	2
Twenty-ninth st.	: :	Cherry st		1,646.00	2	24 24 25 26 26 26 26 26 26 26 26 26 26 26 26 26	1,856.30	25	13.5	8.002.30	1,571.19	∞ -
Mercier Pl		Eighteenth st	Cliff st. 5	1,600.00	28	900 008	650.80	5.E	547 350 547 350	03.039		Ä
Roberts st	: :	Indiana ave					1,069.00	27.25	561 22	1,099.00	31	¥.
Thirteenth st.	: :	Woodland ave	Euclid ave	250.00	28	8	0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	£ [3	488 78 18 18 18	2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	613 76	oc şi
Park ave		Twenty-fifth st.	75	245.00	2	122 50	1,087.00	22	ST 35	1,282.00	656 55	2
Michigan ave		Sixteenth st	Eighteenth st	800.3	23	5 5 5 7	1.487.90	25	28.55 5.55 5.55 5.55 5.55 5.55 5.55 5.55	1,667.50	20.25	3
שוסווכון שאב		Wallond ave		9. •	7,02	£	00.8		5. 5. ×	£, = 10, 50	ì	ł
Indiana ave. Twentieth st	::	Seventeenth st McGee st	Thirty-first st. 5	4,000.00 540.00	88	9 9 9 9 9 9 9 9	- 11,778.20 680.00	<u>주</u> 2 22.2	2 98 57 25 98 57 25 98 57	15,784.29	90.097 50.000 50.000	₹~
				- 5	}		173.50	æ; ≫;	1561	200		9
Holmes st	: .	Independence ave	Eighth at 5	200.00	26 %	00 (Mg	1,854.10	, co. y.	26.7±4.	2,067.60	10 10%,1	£ :
	40 Contra	acts.	Amounts forward	20,843.05		\$ 10,649 58	58,587.70		\$ 28,969 52	73,980.95	73,080.95 \$ 39,619.05	1,141
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Natural Stone Curbing Constructed During Fixeal Year Ending April 18, 1898.—Continued.

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utructed.	Amount	\$30,619 05		20 074	35.05	S48 54	860 44	656 FE							35			548,697 73
Total Constructed	Lineal Feet.	73,900.95	2 751.20	1,005.50	30.00	,00.80	3	1	624.40	7		_			35.40		સ્	91,000.86
Public .	Cost.	25 37. 57.	27 23 	136		3.7 2°	*** O#*	177	10 OF (1	601 74	25 40:	25 F25 ~	72 22	202	₹ 901	100 57	1.648 17	584,787 96, 91,000.86
ucted by Contract	Fig.		- 3:2	3		Ī	2	12	3	Z	3	 2	-	\$	22	3	27	
Constructed by Public Contract.	Lineal Feet.	53, 547.70	1.671.20 1.671.20	255.5c	3	136.1	620.60	5.5	27.50	1.541.00	220.20	Sel. 10	111.80	12.5	210.40	113.00	3, 100.76	P. 185.31
Owner	Cost	\$ 10,649 58	183 183 183 183 183		35.05	3.13	• •	150 E	Ē	(N) (N)	-		€ 19:	150 00	Ē	(A)	150 (10)	\$18,969 7H
ed by	Price Cts.	· ·	Ē	.5	3	.3		3	3	ŝ		S	2	Ę	3	Æ	ŝ	
Constructed by Owners	Lineal Feet.	3),343,05	05 K.5	120.08	300.00	196.00		13.00	1:10.00	1,000,00		100 00	80.00	30.00	17.00	410.00	300,00	24,515.35
ness. Res	loidT loni		 •3	131			~	.2		••		.:	.:	ż	.:	٠:	.=	
í	2		Park ave	lelt Ry. Bridge	Tracy ave	Tenth st	Eighth st	Bales ave	Cherry st	Fifteenth st		Thirty-second st	Holly at	Campbell st	Thirty-first at	Mercer Place	Walrond ave	Seents per foot.
i i		40 Contracts	Woodland ave		I,ydia ave	Ninth st	Seventh st	Walrond ave	Locust st	Twelfth M	N side 31st, West-	port city limits	Mercier st	Charlette st	Futhwest Bled	Holly of	Primpert ave	Average cost, 33.5 cents per foot
		· - =	Both		E LON	_	:	:	2		:		:	:				17 23 miles
•		Amounts Perware	inteenth st		wents hith st	Woodland ave	Fuclid ave	Kelteria . 1	I wents minth st	Highland ave			Twentieth -t	Twenty first of		Eighteenth 4		- of contracts 17

Artificial Stone Combined Curbing and Gutter Constructed During Fiscal Year Ending April 18, 1898.

lo Billa.	ON ERT	12 22 23 20 20 20 20 20 20 20 20 20 20 20 20 20	242
Total Constructed.	Amount.	\$ 884 48 1,807 80 5,128 83 1,181 25 1,74 27 1,75 00 196 42	92.857 80 8,770.78 85,814 70 11,702.78 \$11,652 00
Total Co	Lineal Feet.	570.60 1,572.00 5,128.63 1,812.50 2,241.90 726.60	11,702.78
Constructed by Public Contract.	Cost.	7120 43 745 20 7,128 88 1,122 73 608 77 254 90	\$8,814 70
ucted by	Price.	### 1000 1 ### 0000 1	
Constru	Lineal Feet.	470.60 648.00 5,128.88 1,247.60 723.90 411.60	8,770.78
Constructed by Owners.	Cost.	\$155 00 1,062 60 1,366 20 1,366 20 115 00	18. EST 80
icted by	Price.	11 15 1 15 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 2	
Constru	Lineal Feet.	100.00 924.00 65.00 1,518.00 325.00	2,932.00
£		Grand ave. Oak st. South line Twenty- first st. Twelfth st. Seventh st. Seventh st. Southwest Blvd.	cts. per lineal foot.
		Walnut st Warwick Blvd South line 16th st, east South line Twenty- first st Thirtieth st Ninth st Independence ave Seventh st Northwest corner Southwest Blvd Southwest Blvd	7 contracts. 2.22 miles. Average cost, 99.5 cts. per lineal foot. 2,892.00
	13316	Thirtieth st Thirtieth st Broadway Oak st. Park ave Ruclid ave Broadway	7 contracts. 2.22 m

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Amount	669 RE 100 CE 127 TO 12	erage	15 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 2		115 10 131 40 135 80	6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	F255, 667 A1
Square Feet.	1, pr5,00 2, 138,00 2, 462,33 3, 462,50 8, 462,50	1,435,40	1,175,00 1,175,00 19,00,00 19,00,00 150,00	6 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	945.00 119.00 11.76.00	11.00 X 20 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	134,293.62
Lincal Feet.	25 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	72883 72883	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2	145.50 145.80 185.80 185.80	45.00 87.00	18.55
Amount	24 24 28 25	25.22 25.32 25.33		195243 2 1952534 8	11111	256252525 256252525 256252525	\$12,550 11
Cost per Poot, Cts	តត 🖺	AESS	<u>e</u>	488488 A	***	585 518118111	
Square Feet.	1,360,00 2,666,00 150,00 2,112,00	88188 87488	100 E	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	645.00 785.00 2.310.00 3.775.00		96,689.00
Lincal	157.00 157.00 157.00 157.00 157.00	88888 8 8488		2	28.27 28.88		10, AZN 96
Amount :	23848 23848 24848	88222 82222		25225 55525 55525	11 93	**********	\$12, WW SO
Cost per	តិក្ខុង <u>ក</u>	ลเรื่องจ	ETTE	aau4a s	3	<u>พีนลนอนิชธินันธ</u> ัน	-
Square Fret.	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3,247,92 1,256,00 1,758,00 19,256,00	11.00 11.00	92 34 4	1.040.00 1.0	70,604.62
Lincal Feet.	8 11 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	79755 4888	850.50 216.50 350.80 3,215.90		<u> </u>		12,074.60
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ē	Twenty-third st Eighteenth st Alley E. of Grand ave Eleventh st Eighteenth st	Seventeenth st Charlotte st Twenty-sixth st Locust st Seventeenth st	Twenty-fourth st Baltimore ave Twentieth st West Priespert Place Madison ave	Fourtheat Fourteenth & English of Financially of Fi	Dunder Place Allov W. of Lydia ave Twelfth st orand ave Fifth (we feet N of	* 5	7 to cents per square foot.
Lom	Twenty-second st seventeenth st Grand ave Tenth st Seventeenth st	2 E	Cwenty third 4 Weinbette 4 Septembrie 2010 Septembrie 3 Septembrie 4 Septembrie 4 Septembrie 4 Nije 8 word Suramit 4	Described to the control of the cont	Extra and The second of the se	Howers of the second of the se	Average prior 18
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Total Constructed.	Cost Amount. Lineal Square Amount. Feet. Amount. 70, of Bill	20] \$ 881.00 450.50 5,400.00 \$ 1,108.23 2 10.20 10.20 2,400.00 2,400.00 383.00 10.20	20 80 00 40,00 40,00 80 00 174 181 273 18 290,00 1,560,00 285 68 1 20 1,480 00 2,441,00 12,200.90 3,441 96 22	206 25 275.00 6,740 40 20,827.20 6,740 40 20,740 40 20,743 1,604.58 20,734 1,500.58 20,734 1,500.48 1,505.21		340 80 1,800.00 1,800.00 380 (0	15.60 1 45.04 588.09 105 15.60 7.80 78.00 15 60.00 80.00 800.00 60 284.00 142.00 1,420.00 284	20 125.00 428.00 2,140.00 128.00 274.80 20 206.00 1,540.00 274.80 20 20 20 20 20 20 20 20 20 20 20 20 20
Constructed by Property Owners.	Lineal Square Feet, Feet.	350.00 4,200.00 260.00 1,200.00 900.80 14,862.00 1	40.001 400.00 846.00 2.076.00 253.00 1.518.00 1,480.00 7,450.00		1,640,000 9,400,000 1775,000 1,050,000 1560,000 1,050,000 4,000,000 4,000,000 9,400,00	300.00		296.00 2,140,00
Constructed by Public Contract.	Square Feet. Amount.	1,206.00 204 \$ 247.28 1,200.00 16 16 192.00 8,158.00 19.9-10 627.87	185.00 173 . 8573 12.00 25 10.50 4,770 80 20 865.90	28,837.20 233 6, 150.00 173 1,172,58 16 880,48 19 1-10	1,750,00 1X 824 V7 1750,00 1X 825 00			the contract of contract on the contract of th
-1:	Specificati	Hex. block 12 100,50 Hex. block 6 200,00 Granitoid, 15 210,34	Granitoid. 10 85.00 Hex. block 6 7.00 Granitoid. 5 855.96	Art. stone 8 3,693,65 Hex. block 6 25,00 Hex. block 6 195,48 Gramtoid 5 146,74	mb	20 ;		
	To	176	North of	Eastern City Luts. Ninth st. Vine st. Olive st.	St. Nr.	15	Missour ave. Fourteenth st. Alley East of Wyandotte st. Art.	ast.
	From	Thirteenth st Twenty-sixth st Fourteenth st	Fifth st. Fifth st. Fifther Fourteenth st. Fifther Fifther McGee st. Tak st. Cranda v (Main st.) Oak st. E. side Walrond av	N. of St. John av Eighth st. Flora ave Garfield ave	nth st dence ave id ave h st h st	Locust at Second st	Wyandotte st	Agnes ave Alley West of Cherry st
	Street. Side.	Walnut st. East. Cherry st. Fast.		Independence Byd Both Charlotte st West Fleventh st North Munics st Both Park and	ave	спсе ауе	ave h st	i ave

Brick Sidewalks Constructed During Fiscal Year Ending April 18, 1898.

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Total Constructed.	Square - Feet.	7,06h OD	1	200	(H) (H)	1.50.00		2	3, 5.0 GB		2	, (ME).(M)	1, 1346,00	•	16.00	. res (B)	0.040.00	14.4.1	1. 1.	2. ZE. 18		454 (8)	(B) (B)	15, 139, 30	3,312,00	12,210,40	8 	17. (MR) .73	E	_		1	1	9 70	•
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Constructed by Property Owners	Square Feet p	5,310.00		3,120,00	(M) (M)	1,340,00	# 127 F	1 66	1 1 1 E				1,540,00	•		-	- 12	10,540 (0)	27.5	G 65.7	: Caro	151 00	(a) (a)	180,425,085		11.136 00	3	18. A.S. 18.	3. 18 E. I	1		3		6,388.00	
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Constructed by Public Contract	Fret.	1,738.00		1			1				1	1.141.13	7	•	ely al	The Cart	1.11	1 C.1 OF	1		_	-		11,011 30	112		3	13,545. a	(Me)			3		1, 106,000	
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ž -		Twentieth st	7777	Eighth 4	Holmes of	Independence ave	The nite first of	Cherry 4	Park ave		Che dinata ave	1.11 ft 1.1 c	olive st		Weambotte of	Prograttive	Grand ave	THE TOWNER	Eighth 4	7 57.	Lwenterth	dim 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		I tan take	アニシア	Englith of	Line all accorded	7 120	Lant Lanth	ALL REPORT LINE	111 111	Lotte and	I wenter than 4		
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Brick Sidewalks Constructed During Fiscal Year Ending April 18, 1898—Continued.

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cted.	Amount.		11.120 08			127	7	275 60		-		i F	510 82	3	25	3			14				211 526 62		\$81,707 54
Total Constructed	Square Feet.	8,100	1,850.00	2,5,5 10,5 10,5 10,5 10,5 10,5 10,5 10,5		-	1,464.00	2,420.00	8,180			1.1					1,890.00		5,88H.00				5,877.95		887,579.42
Tot	Lineal Feet.	518.20 565.00	914.8 8.9.8	450.00 185.00	1,014.67	3 S	25.65	403.34	530,00	45.75		295.67	875.83 8.83 8.83	1,674.50	# 5 # 5	8	315.00	8 8	00.13X	1,440.4	881.20	500.00	920.02 92.02 93.02 93.03		53,409.60
Constructed by Property Owners.	Amount.	04 846 04 848		88				90 OUE					\$ 5 5 5 5 6				120 00		183		416 40		88 88		क्ष्म भूग द्वार
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cted by P	Square Feet.	2,580.00 424.00	7,660.00	90000	3,670.00	9 50	1,464.00	2,000.00	3, 180, 00	S. 1.1	6000	25.00 (8)	0000	5,540,00	9.00°		1,200.00		0.000	M) (Keye, c			1,500.00		87,277.81 284,600,22
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Constructed by Public Contract.	Square Feet.	920.20 90.60.00	1. 186.00 1. 186.00	1,923,60	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		. !	420.00	:	000 6	30.00	00.448	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1,467.00	13.00		90.00	00.00	3,474.00	1, 144 Oct.	23.53	90.00	4,377.96		16,1112,29 102,979,20
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; :	<u>.</u>		Prospect ave Sixteenth st Park ave	Nineteenth st Independence ave	Eighth st.		Pennsylvania ave.		Independence ave. N. line of lot 15, bk.	50), Lawrence Ade	Harrison st	Cherry st	Missouri ave	Ninetecuth st	Twelfth st		Chestnut ave	Twenty-first st	Fifteenth c	Prospect ave	Olive st.	Twentieth st	Twentieth st		square foot, .094 cents.
	rom.	Eighteenth st Cherry st.	Park ave Thirteenth st Garfield ave	Eighteenth st Fifth st	Sixth st	Fifteenth st	Washington st	ALISSOULI AVE	Missouri ave Independence ave		Campbell st	Locust st	Eighteenth st	Seventeenth st	Eleventh st	115 feet E. of Pros-	Carfeld ave	Twentieth st	Fourteenth st	Olive st.	Park ave	Ninetcenth st.	Eighteenth st.		65 contracts. 10.11 miles. Average cost per
	Side.	West	West	Fast Both	Both	Fast	South		Fast	Took h	Youth	South	Both Both	Both	Fast Fast	South	4	Both	Poth	South	Both	Eost North	West		11 miles.
1	Street.	Holly st Sixth st	Eighteenth st Walnut st Eighteenth st	Harrison st. Campbell st		Michigan ave	Ninth st		Locust st	Turner bise la ch	Sixteenth st	Missouri ave	Vine st Holmes st	Locust st	Campbell st	Eighteenth st	Fighteenth et	Belleview ave	Wahash ave	The state of the s	Fourteenth st	Flora ave	McGee st		65 contracts. 10.

Plank Sidewalks Constructed During Fiscal Year Ending April 18, 1898, at Noon.

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al ucted.	5 0 2	\$145 83 253	87.3	9	35.	£2 €3	112 05	182 %	51731 7
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y Prop.	Cost per Lineal Cost. Foot.	342.00 27 9-10 \$9 6 42	न	3	7		ŝ		
p,tsuo	Lineal Feet	342.(11)	SM.CO.	60.00			175.00		(MC3.CM)
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þy Pub.	Cost Per Lineal Foot Cents	494.51 294 18145 63 815.00 27 910 227 53	ลิลัง					ā	
Const.d	Lineal Feet.	45.51 815.50	888	8 8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.5 2.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3	37.00 37.00 37.00 37.00	41.00)	2.50
.332	Width Fe	13.19		3 13			r2 +3	٠.	-
	£	Twenty-fourth & Ninth st	mount ave	S line lot an Wheat land's Add	East side State Line st	Pacific st	Benton Place	Thirty-seventh st	Agency of the state of
	From	Twenty-third at Independence ave	•		W end Turkey Creek	N line Weston's Add Pacific st Grand ave of Main st Bultimore ave	Twenty-third of	ă ă	10 sembrands 1 11 [10] tendens American seed teny literal food the seeds
	. Side.	West Fast	North	I.Y	South	A TON	Xo.Y	W.c.	12.00
	Street.	Walrond ave Indiana ave	Eighth et	Holly st	Twenty-fifth at	Vine of Thirty-first at	Pairmount ave	Locust at	- 10 constant

Repairs First-Class Sidewalks and Curbing During Fiscal Year Ending April 18, 1898.

District.	New Curb. Lineal Feet.	Reset Curb. Lineal Feet.	Redress Curb. Lineal Feet.	Repairs Sidewalk, Square Feet.	Stop Boxes, No.	Total Amount.	No. of Bills.
General	2,429.40	1,458.90	73.20	5,194.55	35	\$2,148 78	214

Repairs Second-Class Sidewalks During Fiscal Year Ending April 18, 1898, at Noon.

District.	New Lumber. Feet B. M.	Old Lumber. Feet B. M.	Grading. Cubic Yards.	Total Cost.	No. of Bills.
District No. 1 District No. 2 District No. 8	228,544.00 192,688.00 262,067.00	121,862.00 208,983.00 287,514.00	. 46.00	\$4,859 70 4,455 51 6,036 10	1,047 867 1,870
	678,299.00	658,359.00	46.00	\$15,851 31	8,284

200

Streets Graded During Fiscal Year Ending April 18, 1898.

#II	No. of Bi	22	Syr	i ;	R	22	8	¥?	៖គ្គ។	<u> </u>	12:	: ‡ ₹	3	8	<u> </u>	\$ 3	2.090
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	Lincal Feet.	1,23×12,	8 1/8 mg	· ·		00.00		1. 1945 37	7	/ i	3		, (II.)	10 PAST	<u> </u>	2 £	To the
	T.	Bales ave Prospect ave	nont add	W line Waltend ave	7 865	Holly 4 Charl afte 4	There first st. Southern City Limit	Twent	S City Limits 31st st	Prospect av		Med Posted Place Falteenth of		=	former minth of	Twenty eighth at Howard 4	
	From	Indiana ave Brooklyn ave	Twenty-eventh standerscent and with the line line p. Bed	M. h. j.		Whipple v 2d achd	I would strain at	THE PERK	Mark and st	Brackin av	10 k 41	10 10 10 10 10 10 10 10 10 10 10 10 10 1	7 7-11 211-41	n in instruction and contract	Mercil Pier	lwints exembled	A DECEMBER 11 A CONTRACT OF THE
	Street	oberts st wenty much st	ark ave akew ave tieftel ave	Print Place	lightness that	We'll's 1111's 4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	articles and articles and articles are	A 111 (111)		7 . H. 77.	A CANADA A C	10 H 17 17	♥ . - 1 - 1 - 1 - 1		14 14 14 14 14 14 14 14 14 14 14 14 14 1

Alleys Graded During Fiscal Year Ending April 18, 1898.

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ن	Price Per Pool	Per Yard, 53.50	
Drain Pipe.	Lineal Josef	ធី	ឆ្នាំ
Д	. Size.	Cu. Yds.	: !
fards le.	Price per Pard Dray	-	_
Cubic Yards Stone.	Excava- tion		
	rad soird sto brad	Ξ 4	•
Cubic Yards Earth.	Embank- ment	1, with and 14;	11,743 10
Var	Price per Stard Cts	कृतिक के दक्षण अवध्यक्ष	
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	Lineal Feet	Asuse easeraaan Garra Earrhach	5,0903-11
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1898.
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Trees During
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and
Sodding

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Solding	Square Peet Cost per Sq. Foot.
Trees	Sumber, Cost, Each Kach
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= ·	•	Brick Sewers	·	 •	··· ··· .		Drain	Pipe.
31 Inch.	36 Inch.	40 Inch.	42 Iu	ich.	48 In	ch.	12 It	nch.
Lineal Feet	Lineal Feet.	Lincal Feet.	Lincal Feet.	Cost Per Fr	Lincal Feet.	Cost Per Ft.	Lineal Feet.	Cost Fer Ft.
jela nati 2 ga un jela	806.2 \$2.86 768.00 3.75 600.9 1.00	177.4 \$4 Oc	251.0	\$3 9 <u>F</u>	859.7 510.3	\$1 10 4 80	115.5	\$0.40
Cm 619.2	255 1	177.4	251.0		670.0	 - -	. 115.5	.: ". .:
n neons.	- Amount.	Lincal Feet.	Total Cost.	Number of Tax Bills.	:	Drainage Arca, Square Feet.		Per Lan
iols ioly nin pipe	\$ 150 m) 167 29	1,094 00 12,951 50 1,197 20 2,840 30	3,471 49 279 10 20,965 71 7,065 58 24,620 98 4,377 62 10,959 94		114 64 141 567 616 124	575.1 963.0 2,351.0 2,974.2 1,967.6 100.5	143 03 11 54 50 50	6.00542 0.29288 5.70477 2.0077 2.0077 2.07472 1.99279
_	\$ 317 29	6,145 %) 6,015 60 1 (6,651 20 - \$	22,695 97 21,618 96 119,736 15	ų.	325 220 188	1,257,5 1 274,6 13,413 (115 ,	15 08170 19 3590

8 83-100 miles.

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Miscellaneous Public Work Constructed During Fiscal Year Ending April 18, 1898. Paid for by Voucher.

	Amount. Total Amount.	6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	\$750 01
	Amount.	### ##################################	:
	Specifications	Building retaining wall on 15th st., near Walrond ave. Stone crossing at Summit st. and Southwest Boulevard Stone crossing at 15th st. and Lydin awe Stone crossing at 15th st. and Lydin awe Stone crossing at 15th st. and Lydin awe Repairing subhalt pavement on Wall st., between 7th st. and 8th st. Repairing subhalt pavement on Wall st., between 7th st. and 1th st., \$27 49 Half Repairing plant sidewalks at Market House, west side Woodland ave. from Belt Line Repairing plant sidewalk at workhouse, west side Woodland ave. Bridge to 21st st. Stone crossing at Lydia ave. and 2th st. Stone crossing at 15th st. and Bridgen ave Stone crossing at 15th st. and Bridgen ave Stone crossing at 15th st. and Bridgia ave Stone crossing at 15th st. and Bridgia ave Stone crossing at 15th st. and Furche ave Stone crossing at 15th st. and Furche ave Stone crossing at 15th st. and Furche ave Stone crossing at 15th st. and Furches ave Stone crossing at 15th st. and Furches ave Stone crossing at 15th st. and Furches ave Stone crossing at 15th st. and Prospect ave	
	Date.	Apr. 30, 1867 May 25, 1867 May 1, 1867 March 1, 1867 March 1, 1867 Aug. 15, 1867 Dec., 1867 Jun. 8, 1888 Jun. 1888 Ju	
ı	Contractor.	A. J. Armstrong Apr. 30, 1867 G. Geiger May E., 1807 Barber A. P. Co. July 31, 1807 Barber A. P. Co. July 31, 1807 Barber A. P. Co. March 31, 1807 G. Geiger Jee, 1807 G. Geiger Jee, 1807 G. Geiger Jee, 1808 Feter Guenther Feb, 21, 1808 Feter Guenther Feb, 21, 1808	

Miscellaneous Public Work Constructed During Fiscal Year Ending April 18, 1898. Authorized by Ordinance.

Centractor. No. Date Approved The Gillette, Herzog Mfg. Co., Substance and Substance
ä

Petitions Canvassed During Fiscal Year Ending April 18, 1898.

etc			
for construction of buildings.	Paving petitions and remonstrances. Selection of material	al. Remonstrances, etc	Miscellaneous. Re-establish grades etc
ding petitions for permits,	ing petitions and remonstra	ewalks. Selection of materi	cellaneous. Re-establish g

Street Paving Under Contract at close of Fiscal Year Ending April 18, 1898, at Noon. Asphalt.

None. American bit. rock 2 6 inches concrete 1,122,10 5,025,00 2 10 5,134 60	
2 4 inches concrete 1.122.10 5.023.10 52 10 2 4 inches concrete 1.380.40 4,084.00 2 10 2 6 inches concrete 1.185.00 3,482.00 2 10 2 6 inches concrete 6.1285.00 1,900.00 2 10 2 6 inches concrete 6.555.00 1,900.00 2 10 2 6 inches concrete 5.55.00 1,901.00 2 10 2 6 inches concrete 5.55.00 1,901.00 2 10 2 6 inches concrete 5.55.00 1,901.00 2 10 2 6 inches concrete 5.55.00 1,511.00 2 10	-
2 d inches concrete 1,390,40 4,484,00 2 10 2 d inches concrete 1,184,40 3,421,00 2 10 2 d inches concrete 1,425,00 3,462,60 2 10 2 d inches concrete 1,400,00 4,005,00 2 10 2 d inches concrete 555,00 1,901,00 2 10 2 d inches concrete 555,00 1,618,00 2 10 2 d inches concrete 565,00 1,618,00 2 10	
2 6 inches concrete 1,181.60 3,421.00 2 10 2 6 inches concrete 1,125.40 1,409.60 2 10 2 6 inches concrete 6,120.00 1,409.60 2 10 2 6 inches concrete 1,409.00 1,006.00 2 10 2 6 inches concrete 5,55.00 1,401.00 2 10 2 6 inches concrete 5,65.00 1,618.00 2 10 2 6 inches concrete 7,648.00 1,618.00 2 10	_
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Street. From	' 	i							
			19 :111:	s: eu		₹	Approximate Estimate.	e Estim	j
	From	To	Form Paveme	osad ewiet foirti	Foundation.	Lineal Feet.	Square Cost Yards. Yard.	Cost Per Sq. Vard.	Total Cost.
East line Anderson ave Woodlaud ave		West line Indiana ave	None	Portland Cem. Grout.	Portland Cem. Grout. 2 in. sand, 6 in. concrete.	00.H46	341.00 1,281.00 \$1 19	E	\$ 1.915 10
North line Rales ave Independence	AVC	South line	None.	Cem. Grout.	Portland Cem. Grout, 2 in. sand, 6 in. concrete	2,543.00	8,315,00 1 49	- P	12,389 35
Charlotte st Eighteenth st	:	North line Nineteenth st	None.	Cem Grout.	Portland Cem Grout, 2 in. sand, 6 in. concrete	445.60	1,801.10 1 44	1 15	2,6 2 59
Lexington ave Walrond ave	:	West line Indiana ave	None.	Cem. Grout.	Portland Cem. Grout. 2 in. sand, 6 in. concrete	E43.68	16,27,00	1 40	2,482 87
Smart ave Indiana ave	 u	West line Monroe st	None.	Cem. Grout.	Cem. Grout 2 in. sand, 8 in. concrete. 1,208.00 4,910.00 1 494	1,208.00	4.910.00	1 493	7,340 45
Broadway Twenty-first st		South line Twenty-third st	None.	Cem. Grout.	Portland Cem. Grout, 2 in. sand, 6 in. concrete	655.70	8,621.00 1 294	<u> </u>	1,689 20
Fast line Thirteenth st Flora ave		West line Woodland ave	None.	Cem. Grout	Portland Cem. Grout 2 in. sand, 6 in. concrete	779 (k)	2,715.00 1 45	1 45	3,938 75
7 Contracts. 130 Miles.	files.					6,839.50	21,270.10 \$1 45	- 15 \$1 46	35,805 81

1898, at Noon.	
18,	
April	
Ending	
Year	
of Fiscal Year	irick.
	8
: close	
at	
Contract	
Under	
Paving	
Alley	

	Total Cost.	1 50 \$1,08K 48 1 50 680 68	\$1,719 11
Estimate	Cost Per Sq. Yd.	\$1 1 50	\$1.50
Approximate Estimate.	Lineal Square Cost Per Total Feet. Vards. Sq. Yd. Cost.	658.10 428.10	755.20 1,081.20 \$1.69 \$1,719.11
¥	Lineal Feet.	376.90 378.30	755.20
	Foundation.	2 in. sand, 6 in. concrete 2 in. sand, 6 in. concrete	
Spaces Between	Pavem't. Brick.	Port. Cem. Grout. Port. Cem. Grout.	
Former	Pavem't.	None. None.	
	To	12th st 12th st	
- - - -	From	lith st lith st	
	Between	McGee st. and Oak st. 11th st. 12th st. None. Port. Cem. Grout. 2 in. sand, 8 in. concrete Oak st. and Locust st. 12th st. 12th st. None.	2 Contracts, 14-100 Miles.

Natural Stone Curbing Under Contract at Close of Fiscal Year Ending April 18, 1898, at Noon.

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Artificial Stone Combined Curb and Gutter Under Contract at Close of Fiscal Year Ending April 18, 1898, at Noon.

				Approximate Estimate.	ate Kstir		
7	side e	From	.	Lincal Feet.	Price Per Ft.	- Vmount.	Remarks.
totependence livit	B.th	Gladsone av Sot Indep INd	Chalstone av Sot Indep livel East end of Independence livel	1,154.00	¥	1,154.00 \$ 1 08 \$1,206 32 Park Board.	ard.
=	1.5.1	Fifteenth st	Lot 13, Blk I, H.W. Armfield's add.	1, 440.00	1 (16)	1. IM 25 Park B	ard.
-	70.3	Thraceuth st	Fiftrenth at	1,085 00	-	1.107 th Park Board.	ard.
	7 77	Ninth 4	Twelfthat	1,475 cm	7 (a) T	1,576 41 Park B	∎rd.
I the Place.	East	Fifteenth at	Lot 11, Blk 2, II. W. Armfield's add.	1,290,00	1 03	1,30% the Park B	ard.
	7.75	Ninth 4	Eleventh st	- 00 120	- F	VTF (c) Park Board.	ard.
	Ku A	Thirteenth 1	Fifteenth st	OH) (III)	¥	LIKN OF Park B.	ard.
	100	Contract. 1 '6 Miles	•	8,219,00	\$1.074	Se 8461 11	

\$15,586 60

81,755.00

11,609.96

2 2-10 miles.

17 Contracts

Natural Ston	Sid	ewalks Under Con	Natural Stone Sidewalks Under Contract at close of Fiscal Year Ending April 18, 1898, at Noon.	isca	1 Year	r Endir	og Ap	ril 18,	1898, at	Š	ģ
			<u> </u>	15	Api	Approximate Estimate.	e Estima	ie.			l i
Street.	Side.	From	ů.	Wid Fe	Lineal Feet.	Square Feet.	Pr. Per	Pr. Per Amount.		i	
Grand ave. Olive st		Alley south of Seventh st Twenty-first st	et north of d st	5	96.00 847.54	960.00	83	\$ 192 00 772 15			
Pennsylvania ave Pennsylvania ave	West Fast	Seventeenth st Fighteenth st	Eighteenth st Twenty-first st			700.00 7,704.00	E 3 &	1,427 07			
4 Contracts.		.(04 Miles.		-	2,344.20 13,601 70	13.601 70		\$2,506 72	İ_		
Artificia	J Stor	ne and Hexagon Endi	Artificial Stone and Hexagon Block Sidewalks Under Contract at Ending April 18, 1898, at Noon.	nde	Noon	tract a	t close	of F	close of Fiscal Year	är	'
			qı	112	Api	Approximate Estimate.	e Estima	i.			i
Street.	Side.	From	PIM.	Fee	Lineal Feet.	Square Feet.	Se Per	Square Pr. Per Amount.	Remarks	ırks.	1
Brooklyn ave	Hast	Fourteenth st	Fifteenth st	9	138.00	2,624.00	38	\$ 472 82	Granitoid.		
Brooklyn ave	West	Twenty-fourth st	Howard ave	6 2	521.00	2,605.00 141.00	e 2	521 00	Granitoid.		
Lydia ave	Both	Fifteenth st	Sixteenth st	9	87.00		17 9-10		Hexagon Block	Slock.	
Olive st.	East	Twenty first st	Twentieth st	910	967.00	2,335.00	8:	9 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Granitoid.		
Park ave	East	Twenty-fifth st	Twenty-sixth st	2 12	37.8	1.655.00	12	321	Granitoid.		
The Pasco	West .	Fifteenth st	Prolongation E.of S. line Lot 18, Block 1, H. W. Armfield's Addition.	x	1,193.75	9,550.00	18 4-10	1,757 20	Art. Stone.	Pk. Bd	Bd.
The Paseo	East	Fifteenth st	Lot 41, Block 2, H. W.	00	1 292 50	10.260.00	18 9-10	1 980 14	Art Stone		2
The Pasco	West	Thirteenth st	Fifteenth st	00		7,640.00	18 9-10	1,448 96	Art		æ
The Paseo	West	Ninth st	Eleventh st	00 ×	982.50	7,140.00	25.5	1.848 86	Art. Stone.	E P	Z Z
The Paseo	Fast	Ninth st	Twelfth st	2 30	1.840.00	10,730,00	10 + 10	2,079 68			Ä
Tracy ave	West	Sixteenth st	Seventeenth st.		382.50	1,995.00	8	8			i
Wahash ave	Poth	-	Prospect ave	0 0	520.00	8,000.00 8,130.00	8.8	3 5	Granitold.		
Washington st	Both	Righteenth st	Twentieth st		288.83	1,780.00	Ė	500	Granitoid.		
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Ртош
Sixteenth st
Holly R
Fighteenth st Seventeenth st
Alley immed. west of Holly st
Summit st Holmes at Sixteenth st
Average Cost, 8,91c Per Sq. Ft.
Street Grading Under Contract at close of Fiscal Year Ending April 18, 1898.
Το
Twenty-third of Reservair of Thirteenth st.
Thirteenth st Brooklyn ave Twenty-third st
o of 100 Miles

		Total Cost.	62 90 62 90 62 90	SSRT NO		ite.	Total Cost.	\$120 80	\$129 80
	neous.			<u>i</u> -	Noon	Approximate Estimate.	Co. t.	\$120 80	
نه	Miscellaneous.				898, at	pproxim	Price Each.	2. 3.	<u> </u>
stima	ļ	Price.	<u>_</u>	<u> </u> 	8, 1		Trees No.	컮	
Appreximate Estimate.	Rock.	Price Cents Yends	356.80	359.80	príl		···		
pprox	ei.	Price Cents			yg ∀				
*	Cubic Yards Earth.	Price Cents. Bank- ment.	536.54	536.50	Endir		To	treet	
	c Yard	Price Cents.	82		car			enth 9	
	Cubi	E xca vation.	497.70 620.00	1 117.70	- X			Eighteenth Street.	
		Feet	416.50 133.81 438.84	1,284.18 1117.70	Fisc				!
	<u>'</u> '		:·	<u> </u>	jo :			! :	
Approximate Estimate.	To		Twelfth st Thirteenth st Sixth st		uct at Close		From	Fifteenth Street.	ı
				!	ontra			Fiftee	
	From		Eleventh st. Twelfth st Independence ave.	0.24-100 Miles.	3 Under C	i -	Side.	Both.	
	Between.		Grand ave, and McGee st Walnut st. and Grand ave Walnut st. and Grand ave	" Contracts.	Planting Trees Under Contract at Close of Fiscal Year Ending April 18, 1898, at Noon.		Street.	Wabash Avenue.	

.TS							_			₹	Approximate Katimate.	ate Kat	imate.		
dmuX	-		•	;			<u> </u>	Pipe S	Pipe Sewer.	Rock	Rock Excavation.	tion.	Manholes.	noles.	
2011			\$	Location.			l .	Eight Inch.	Inch.	· .		1 1			Total Amt.
albi()							il.	Et	Price Per Foot.	Yards.		ig.	Vard. Number.	Cost Each.	
ž		ren Bellev 1 Street	iew Aven	ne and M	Alley Between Belleview Avenue and Madison Avenue North of	ue North	-		8		<u> </u>	, żż	70	38	92 1063
							<u>:</u>	1 988		 				·	05: TUS
Aisc	cllaneous	Public	Work	Under	Miscellaneous Public Work Under Contract Authorized by Ordinance at Close of Fiscal Year April 18, 1898, at Noon.	April 18, 1898, at Noon.	rized 898,	EV at N	Ordina Joon.	250	Ö	o of	Fiscal	Year	Ending
υX					!	1 		Appro	Approximate Estimate	timate					
350180			specifications.	tions.		۱ 	Earth Exc.	, KC.	Rock Exc.	! . !	! ! :		Appropriation.	Amount Paid to Date.	Ralance of Appropria-
iliaO						ٿ	n. Yds.	Price	Cu. Yds. Price Cu. Yds. Price.		A mount.				
6147	Grading sur City Libra	ading summit street From T C ty Limits (Thirty first St.)	et From T	[wenty-ni	Grading summit Street From Twenty-ninth St. to Southern City Limits. (Thirty-first St.)	uthern	H& '1		189'07 91'	\$	\$16,851 48 \$16,000 00	, — 8 816.		S. 616 79	\$10,388 21

Page No.	Nature of Work.	No. of Contr't	No. of Cu. yds.	Sq. Yds.	Sq. Feet. Lineal Ft. Miles.	Lineal Ft.		No. of Bills.	Amount.
ص م	1-2-3-5 Paving streets	3		217,668.10		63, 492.83	12.02	2,582	\$837,669 64
- -	Paving alleys	7	: : : : : : : : : : : : : : : : : : : :	7,842.00		4,882,00	3,	340	11,946 22
œ,	8	I			:	91,000.86	11 12	1,41	18,697 78
æ	Artificial stone combined curb and gutter	1-	-		:	11,702.00	3) ?:	감	11,652 00
<u>۔</u> 2	Hexagon block and artificial stone sidewalks	3			162, 805, 25	22,741.00	1.31	- 13	52, 130 00 00 051, 130 00
3.	Natural stone sidewalks	4				22,713,55	200	530	35,557 61
1-15	Brick sidewalks	3				53 100 60	10.11	101	31.70, 54
20		2				5,969,88	1.13	3	1.731 74
23	Repairs, first-class sidewalks and curbing	- -						214	2,148 78
_	Repairs, second-class sidewalks	**						8.5K	15,351 31
	Grading streets	%	138 431.35			25.77.35	6.11	2,000	35,700 ±5
•	Grading alleys	±	19,950.80			1.663.1	3	321	8,850 19
-	Sodding and planting trees (No. trees, 79)	33			11,963.30			F	1,071 68
	District sewers	3.				10,651.20	æ.	2,088	118,734 15
		*				3,293.70	€.		17,31 19
 8	Miscel, public work, paid for by voucher	11					:		. O
8	Miscel public work, authorized by ord.	~							S 200 E

ose of Fiscal Year Ending	1
Work Under Contract at Clo	April 18, 1898, at Noon.
Recapitulation of Public Work	

•		2						
Nature of Work.	ork.	Contr 't	Cubic Vards.	Square Vards.	Square Feet.	Lineal	Miles.	Amount.
Asphalt, paving streets		3	!	27,349,90		9,070.60	1 77	\$67,518
Brick, paving streets		1-		21,270,10	:	6,839.50	58.1	87,306
Brick, paving alleys		?1		1,081.30	-	755.20	#:	1,719
Natural stone curbing		- 21		:		21,(07,28	8 22	10,697 8
Artificial stone combined curb a	nd gutter	1-		:		8,249.00	22:	898 X
Natural stone sidewalks)	-			18,601.70	2,844.20	7.	7 209 7
Artificial stone and Hexagon block sidewalks	ock sidewalks	-		:	N1,755.00	11,609,96	£.33	15,586
Brick sidewalks		3				6,000.15	1.27	7 790.8
Grading streets		c	18,672.50		:	8. XXX	3	2,014
Grading alleys.		∞	2,018.50			1,284.18	3	367
Planting trees (12)		 				100		9.0
Public sewers.	***************************************	~				22.98		Ŕ
Miscellaneous public work (Grading Summit st)	ding Summit st)	-	48,298.00	***************************************		1,268.00	ă.	15,864

Statement of Condemnation Cases During Fiscal Year Ending April 18, 1898, at Noon.

All the most time of the most time of the most time of time	All the control of		, ired	ne. 1	÷	Verber Remiered	-	To profe	ź	Kı mark.
S. L. Br mod Place and Sunday Sun	S. L. Bernard Place and Hilberth 84 September								Property Owners	
March Marc	N. P. S. S. T. T. P. R. B. Highbird of Fig. 190 Mar. 2 100	Walrond av Ventre av Vlley bet S Mann at	oav N. M. D. W. C. S. Courth A.		Fifteenth a Smort as N. L. M. S. N. H. Godd Ferth d. F. F. W. J. E. J. A. T. P. R. ad		****	11 11	2 130 to 1,516,00 6,554 to 7 130 co	Complete out A. 1867 Collecting Damages vive ed to neft Complete Aug. 2, 1867 Collecting
	W. L. N. L. S. E. 1 km N. M. S. P. 10 km	ista Futhst 1856 Duncanav 1864 Grandav 1866 Thuty forst	7	Lurelay N.L.S. S. T. Ter R.B. Twenty sixth of Brooklyn av	Highland was 11 The St. N. S. W. A. M. T. Flee M. R. A. of N. L. U. Chen. P. Sub-Prospection	1 1	¥ ½		100 M	
		<u>:</u>	law denderation as	thand is	A point 1603. World other Usp					Ord No. 8 274 Apr 21 1867. Property deeded
	1 1 1 1 1 1 1 1 1 1	<u>.</u>	7 ;;	* * - 11 / 11 / 11	Harring					ord No.7 94 Dec. 19, 1885. Property deeded
	1		7 7 1	A To the beautiful to a second		<u> </u>		<u> </u>	249 (4)	Ord No. 7.912 Dec. 19, 1866, Complete,
And the first product as known the control of the c	Mary 2019 1986 19			A special of	Grantan	Vog 5 1897		160 616	7,000	Repealed Ang 3 197.
	10 10 10 10 10 10 10 10			received to the property of th	200	NAT 21				Supreme Court Complete
Aug. 1. 1886 Aug. 1. 1886 Aug. 1. 1886 Aug. 2. 1886 Aug. 3. 1886 Aug. 4. 1888 Au	March Marc					70	<u> </u>		71 S	
March Marc	March Marc	-	- 1.	Property bases of the A		1 = : : : : : : : : : : : : : : : : : :	; ¥		1000	
March Marc		· :				Ank	19 1 2 1		Ge Joseph	Circuit Court Complete
			- 3.4°			ž <u>u</u>	777			Complete Complete
Manual State 11 (1997) Manual	March Marc			* * * * * * * * * * * * * * * * * * * *	7 10 1					No proceedings dead
March Marc	1		•	Mariner of Proposition of the Control of the Contro	Brownian iv Waleshel iv	157 St. 26.7		<u>:</u>	(3 <u>\$</u>	Collecting. Deed for property taken.
SATE SECONDARY CONSTRUCTOR MATER, 1888 100 Bigging 1887 1	SATE SECTION OF CONSTRUCTION OF THE PROPERTY O	<u>, : :</u>		11/8/19	Allen wested order Place Alten in	1 ch 24, 1888		1	# OK	Repealed Dec. In 1867 Appealed to Circuit Court,
Fig. 18 with a second of the s	Fig. 18 with a second of the s		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Chestinity of	Mar 1, 1895		<u>:</u>	200	Collecting Prescribed for 17 June
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The state of the s	The state of the s				2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Mar 1 1898		<u>:</u>	 	Appended to Circuit Court.
I spirit second of the formula of th	Table 1 and			The state of the s	Twinty see nelst					Represented June 11 1969
1.5 He although an Property of	The Theorem is the Common of t			I agnost at I we nity second at	I wents third of					huy Emp Jary 1 148.
Leving may street numericately north Thirty there of the courts of the court of the	Les net may their three of Park moth se		·.	He extenses	Managed as					Jury Emp June 15, 1994. Pending
	-	7 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Lev hat may there there a	street numedately north Thirty fourth st					Pending. Pending.

Statement of Grading Cases During Fiscal Year Ending April 18, 1898, at Noon.

				Date of	Delicities.	ń
No. Date Approved	Street.	From	To	Trial	Kan- Sas City	Remarks.
6474 May 6, 1893	Ord St more constitution of the co	Fime st.	Lexington ave	Oct. 27,1894	0.00	0.00 Complete.
5228 May 20, 1893	Monton II ave	Fifteenth st	Fighteenth st.	Mortor idea	Contraction Contraction	No proceedings.
	Alley bet. Park ave and Olive st	Sixth st	Eighth st	Mar. 4, 1896	91	150.00 Complete contract let.
8654 Aug. 16, 1895	Alley immed, N. 15th st.	Park ave	Olive st	The state of the s	of the street,	No proceedings.
6692 Aug. 26, 1895	Tenth st	Grand ave	Locust st	Nov 28, 1896	STREET, STREET,	Pending Supreme Court,
6963 Oct. 18, 1895	Alley bet, Pennsylvania and Wash.	Thirteenth st	N. line cor. plat Roberts add.	A separate and extended to print y	Section of the second	No proceedings.
6898 Oct. 23, 1895	Twenty-ninth st	Main st	Broadway	- management	Section (or city as	Pending circuit court.
8977 Nov. 21, 1895	Alley immed, S. of 13th st.	Wabash ave	Prospect ave	Company of the Compan	Table States	No proceedings.
Nov. 2	Alley immed. S. of 13th st	Olive st	Wabash ave	Contraction opposed a	souther a palical	No proceedings.
Dec. 6, 1	Merrill Place	W. line of blk 3, Winter Park	Holly st	September 11 Sept. 14-		No proceedings.
Feb.	Grove st.	'wenty-third st	Twenty-fourth st	Marrie Control		
7199 Mar. 7, 1896	Lexington ave	Indiana ave	Bales ave and	Oct. 24, 1896	50	-
7201 Mar. 7, 1896	Grove st	Twenty-second st	Twenty-third st		21	214.00 Complete contract let.
7553 Mar. 26, 1836	Thompson ave	Bellefontaine	Walrond ave	June 7, 1897	A	Complete contract let.
7328 May 19, 1896.	Twenty-fifth st	Brooklyn ave	Prospect ave	June 28, 1897	***************************************	Complete contract let.
	Twenty-sixth st	Baltimore ave	Grand ave anneancement	. Feb. 14,1898	AL PROPERTY OF	Damages exceed benefits.
7383 June 21, 1866	Alley bet. Garner and Thompson.	Walrond ave	Indiana aveniment changes out out	A PROPERTY AND A PARTY OF	Settings - ring	No proceedings.
7405 July 8, 1866	Agnes ave	Twenty-third st	Howard ave	Jan. 16, 1897		Complete contract let.
7406 July 8, 1896	Belleview ave	I wenty-nrst st	I wenty-tuita st	June 2, 1881		220.00 Complete contract let.
7470 Aug. 6, 1896	3	Thirteenth st.	Fourteenth st	Dec. 7, 1896		Complete.
Aug. 21,	Alley bet, Broadway and Central,	NIBIO SE	I cuth Standard and a second age.	MBy 29, 1591	STREET SERVICES	Kepealed, Ord. 8049, app. / uk o, vi
7587 Sept. 3, 1896	Holly st. mentioners and the store of	Twenty-seventh st	Twenty-eighth st	Nov 24, 1894		Complete contract let.
7M3 Oct. 3, 1896	Morrell ave.	Walrond ave	Hastern City Limits	Commence annual a	THE PERSONS	No proceedings.
	McGee st	Twenty-third st	Twenty-sixth st	· Benevania Lincolnia	TO THE PERSON	
Nov. 17,	Alley bet. Holly and Mercier st.	I wenty-third st	I wenty-fourth st	May 29, 1891	2 0	1210.00 Collecting.
NOV. 17,		Seventeenth st.	I Wenty-first St.	whi st, tour	0,6	a olz. of concerning.
	Alley bet, Flora ave, and vine st.	Liniteenth States and the states	Pourteenth Stought pages of the	Apr. 10 1007	On the section	con on Collecting
	McGee St. com contraction action interimental contraction in	Samuel State of the same succession of the sa	Termitiath of	May 30 1807	Se de la constante	
7001 Dec. 2, 1000	Allege in block but Wolten of and	Crand ave and Thirtieth	et and Thirty-fret et	May 17 1807		_
TOST DAY OR TRUCK	Thirteenth et	Flora ave		May 1 1897		Complete contract let
Cab	Mercier Place	Twenty-third st	Twenty-fourth st	May 28, 1897	24	245.00 Collecting
Hop	Trace ave	Twenty-ciohth st	Thirty-first st	Tune 8, 1897	The state of the s	i
	Cambell st	Twenty-ninth st	N. line of Beacon Hill Pk. ad	May 15,1897	ig.	50.00 Supreme Court.
Weh	Twenty-fourth st	Michigan ave	Brooklyn ave	May 15, 1897	Section in	Complete contract let.
Mar	Twenty-fifth st	Holly st	Southwest Boulevard	Dec 17, 1897	10	00.00 Collecting.
Mar.	Alley bet, Lydia and Tracy ave	Twenty-fourth st.	Twenty-fifth st.		man bid min	
	Alley bet, Grove and Flora ave.	Howard st	Twenty-fifth st	Oct. 28, 1897	distribution 5	50.00 Collecting.
18	Aliey bet, Summit and Jefferson	North line Roberts Addition	Fourteenth st	July 1, 1897	or or property	Complete contract let
Men	Water State at	Unimon at	Comment of the Party	Dec 18 1807		Chamber of the property of the

Statement of Grading Cases During Fiscal Year Ending April 18, 1898 Continued.

		•	<u> </u>	Date of	Benefits.
No Date Approved	Street or Alley.	From		Triel	Kan- Prop.
NEW Apr. 17, 1807		Ruchid ave	Carfield ave	Oct. 28, 1897	Complete contract let.
NUMBER ADD TO THE	Vine 4	Twelfth &	Fifteenth #	une 28 1407	Complete contract let.
K35 Apr 14, 1407	Eleventh st	Prospect ave	Bellefontaine ave		Pending in circuit court.
KSW Apr. 14, 1407	Alley bet Mether and Oak -t	Twelfth st	Thirteenth st	June 7, 1897	Complete contract let.
NATS May 14, 1857	Twentieth M	Holly at	West Prospect Place		Unanimous petition com
Nich June 3, 1467	Rales ave	So line Carlton Place add	Fifteenth #	Nov 27 INC	Complete contract let.
MAT June v. 1465	Alley bet. Cherry st. and Holmes at	Twenty-fifth st	Twenty-sixth st.	;	Unanimous petition comp
14:33 June 1. 1407	Alley bet. Walnut and Grund	Twelfth st	Thirteenth st	_	Complete contract let.
Mist June P. 1967	Alley bet. Meeter and Oak at	Fourteenth st	Pifteenth st	_	Complete contract let.
Atta June & 1967	Alley bet Oak and Locust at	Eleventh at	Twelfthat	Dec. 8, 1807	Complete contract let.
M.A June v. 1867	Alley bet Walnut and Grand	Independence ave	Sixth st	_	Complete contract let.
M6: June 9, 1967	Alley let McGee and Oak st	Eleventh st	Twelfth st	Dec. 3. 1867	Complete contract let.
wird June to 1967	Alley let Grand ave, and McGee M.	Twelfth st	Thirtcenth M	Dec. 3, 1897	Complete contract let.
MAT Apr 1, 140	Z HEEL	Twenty-ninth st	Southern City limits, 31st st	June 7, 1887	Complete contract let.
Mis. June 15, 1467	Carfield ave	Thirtieth at	Thirty-first st	July 18, 1868	Complete.
N. 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Waluah ave	Twenty-second at	Twenty-third at	Nov in 188	Complete contract let.
Nat July 30 145	Alley bet 11th and 12th st	Grand ave	McGee st	Dec. 3, 1887	Complete contract let.
A: 1017 15. 14.	Alley lat Reservoir ave and Cliff at	Holly at	Mercier M .	Jan. 8, 1468	Collecting
W. 1. July 25, 1-5-7	Alley let Main and Walnut at	Sixth st	Seventh &	Dec. 8, 1897	Complete contract let.
Marks A 118 11 1 1447	Twenty geventh of	Baltimore ave	Grand ave		No proceedings.
Marie Aug. 3 1407	Alley immed N. of ligh at	Agnes ave	Bellefontaine ave	Dec. 3, 1867	Complete.
1.11. VIII. 11. 1.40.	Alley bet, Brooklyn and Park ave	Thirteenth M	Fourteenth st	Dec. 3, 1867	Complete contract let.
1.15 VOK 15 1.55	Alley bet Harrison and Campbell	Thirteenth st	Fourteenth at	July 9 1884	Complete July 9, 1866.
THE REAL PROPERTY.	Re-Cront ave	Mercier Place	196 ft. W. of Mercier Place	• :	Rep'led, Ord. 8838, app. Set
1 1 EX 12	Sixth of	300 ft. P. of Chestnut ave	Walrond ave		Rep'led, Ord. 10020, app. J
10 mm		Halle at	106 ft W. of Marries Place	T.: 1. 14.46	Dending at painted

Statement of Grading Cases During Fiscal Year Ending April 18, 1898—Continued.

No. Date See Sept. 2, 1867. Alley bet. Reservoir ave, and Cliff at Metrier Place. See Sept. 2, 1867. Alley bet. Reservoir ave, and Reservoir ave	0	Ordinance.	:	;		Date of	Benefits.	
Sept. 22, 1897. Alley bet. Rueservoir ave. and Cliff at, Mercier Place. Sept. 22, 1897. Alley bet. 2014 and Reservoir ave. Sept. 22, 1897. Alley bet. 2014 and Reservoir ave. Sept. 22, 1897. Alley bet. 2014 and Norrell ave. Oct. 4, 1897. Alley bet. 2014 and Norrell ave. Oct. 20, 1897. Alley bet. 2014 and Norrell ave. Oct. 20, 1897. Alley bet. 2014 and Norrell ave. Oct. 20, 1897. Alley bet. 2014 and Norrell ave. Oct. 20, 1897. Alley bet. 2014 and Norrell ave. Oct. 20, 1897. Alley bet. 2014 and Norrell ave. Nov. 11, 1897. Alley bet. Garfield av. and Brooklyn. Elevenine independence ave. Nov. 11, 1897. Alley bet. Garfield av. and Brooklyn. Elevenine independence ave. Nov. 11, 1897. Alley bet. Garfield av. and Brooklyn. Elevenine independence ave. Nov. 11, 1897. Alley bet. Garfield av. and Brooklyn. Elevenine independence ave. Nov. 11, 1897. Holly st. No	No.	i		From	01	ī		op.
Sept. 20, 1987. Alley bet. 20th st. and Reservoir ave. Holly st. Nineteenth st. Mineteerth st. Alley bet. 20th st. and Reservoir ave. Nineteenth st. Alley bet. 20th st. and Brookly Reservoir ave. Alley bet. 31, 1987. Alley bet.	89 88	Sept. 22, 1	1897. Alley bet. Reservoir ave. and Cliff st.	Mercier Place	225 feet West of Mercier Place			Pending in circuit court.
Sept. 20, 1887. Holost st. Not. 1, 1887. Holost st. Oct. 4, 1887. Alley bet. St. John and Morrell ave Alley immed. East of Walrond av Bales ave Sixteenth st. Oct. 4, 1887. Alley bet. St. John and Morrell ave Alley immed. East of Walrond av Bales ave Sixteenth st. Oct. 2, 1887. Alley bet. St. John and Morrell ave Holost st. Nov. 11, 1887. Alley bet. Harrison and Pennsylvania Fourteenth st. Nov. 11, 1887. Holly st. Nov. 11, 1	8887	Sept. 23, 1	1897. Alley bet. 20th st. and Reservoir ave	Holly st	Mercier Place	_	-	Pending in circuit court.
Oct. 4, 1887 Holly st Twentiteth at Cot. 4, 1887 Alley bet. St. John and Morrell ave Alley immed. East of Walrond av Sixteenth st. Alley bet. Jefferson and Pennsylvania Fourteenth at Sixteenth st. Alley bet. Jefferson and Pennsylvania Fourteenth at Sixteenth st. Alley bet. Jefferson and Pennsylvania Fourteenth at Sixteenth st. Alley bet. Garfield av. and Brooklyn. Eleventh at Alley immed. N. Twelfth st. July 9, 1886 May 21,1886 May 21,1886 May 11, 1887 Holly av. Alley bet. Harrison and Troost av. Trentiers at Alley immed. N. Twelfth st. Hereon Bvd. as established by Ord. 6738 Fifteenth st. The Pasco (Flora avc.) Twelfth st. The Pasco (Flora avc.) Tw	86.58	Sept. 30. 1	1897. Locust st.	Nineteenth st.	400 feet South of 20th st.	_		Pending in circuit court.
Oct. 14, 1897. Alicy Pet. St. John and Monrell are. Oct. 29, 1897. Cottage Law Oct. 29, 1897. Cottage Law South line Independence ave. Nov. 11, 1897. Alicy Pet. St. John and Monrell ave. South line of Sixth st. Nov. 11, 1897. Alicy bet. Harrison and Proost av. Tenths at Alicy bet. Garfield av. and Brooklyn. Elevenths at Alicy bet. Harrison and Troost av. Tenths at Alicy bet. Garfield av. and Brooklyn. Elevenths at Reservoir ave. Nov. 11, 1897. Alicy bet. Harrison and Troost av. Nov. 11, 1897. Holly st. Herton Brooklyn and Ports ave. Nov. 11, 1897. Holly st. Herton Brooklyn and Park ave. Nov. 11, 1897. Holly st. Herton Brooklyn and Park ave. Nov. 11, 1897. Holly st. Herton Brooklyn and Park ave. Nov. 11, 1898. Thirty-fifth st. Thirty-fourth st. Cherry st. Nov. 11, 1898. Central st. Nov. 11, 1898. Carlind st. Nov. 11, 1898. Fortythird st. Nov. 11, 1898. Montered and Lydia ave. and Crove st. Nov. 11, 1899. Cannotte st. Nov. 11, 1899. C	200	Oct. 6, 185	7 Holly st	Twentieth st	South line of Reservoir ave	-		Rep'd Ord. 9046. App. Nov. 11, '97.
Oct. 29, 1897. Alley Pet. Jefferson and Pennsylvania Fourtentih 84 Sixtentih 84 Alley Pet. Jefferson and Pennsylvania Fourtentih 84 Alley immed. N. Twelfth 84 July 9, 1896 Alley bet. Garfield av. and Brooklyn. Eleveuths at Reservoir ave. Nov. 11, 1897. Healty 84 Alley bet. Harrison and Troost av. Trentist at Twenty-forts at Twelfth 84 Alley bet. Harrison and Troost av. Twenty-fort ave. Nov. 11, 1897. Benton By Gas established by Ord. 6794 Fifteenth 84 Thirty-first 84 July 9, 1896 Fifteenth 84 Thirty-first 84 July 9, 1896 Fifteenth 84 Thirty-first 84 Thirty-first 84 Alley bet. 1897. Health 97 Cherry 84 Thirty-fourth 84 Thirty-fourth 84 Thirty-first 84 Thirty-firs	3	Oct. 14, 12	397. Alley bet. St. John and Morrell ave.	Alley immed. East of Walrond av	Bales ave		1	Rep'd Ord. 6608. App. Apr. 12, '97.
Nov. 11 1897 Alicy bet. Carried av. and Brooklyn Eleventh st Alicy immed. N. Twelfth st July 9, 1986	32 E	100 m	W. Alley bet, Jefferson and Pennsylvania	Fourteenth st	Sixteenth st		:	Pending in circuit court.
Nov. 1, 1877 Alicy bet. Carrier at an another by Clear of the carrier bet Clear of the carrier	200		W Cottage Lane	South line Independence ave	North line of Sixth st	May 21, 1848		Complete.
Nov. 11, 1877 Health st. Felevoiti ave. Felevoiti	1	11. VOV.	Miley bet. Carneld av. and Brooklyn.	Fleventn st	Alley immed. N. I welltin St.	July 1, 1886		Complete July 9, 1898.
Nov. 11, 1847 Holly st. Activated	GT 20	Nov. 11, 1	1897 Alley bet, Harrison and Troost av	Tenth st	Fleventh st		1	Pending in circuit court.
Nov. 11, 1847 Bentou Byd. as established by Ord. 6734 Twenty-fourth st. Thirty-first st. Jan. 11000 1,000	96118	Nov. 11, 1		_	Reservoir ave	-	-	Unanimous petition; complete.
Nov. 11 1877 Ponterard as established by Ord. 6734 Fifteenth at 1,000.000	\$078	Nov. 11, 1	Benton Bvd. as establ'h'd	Twenty-fourth st	Thirty-first st	22,1898	2.	27.00 Complete May 24, 1898.
Nov. 11, 1847 Rentton in Med. as established by Ord. 6734 Fifteenth st. Twenty-fourth st. Feb. 10, 1846 May 1, 1846	9050	Nov. 11, 1		Gladstone ave. S. of Indep. Bvd	Fifteenth st	Mar. 5, 1898	1.0	00.00!Complete.
Dec. 15, 1847 The Pasco (Grove st.) Twelfith st. Thirteenth st. Feb. 19, 1846 Dec. 22, 1847 The Pasco (Grove st.) Eleventh st. Dec. 22, 1847 The Pasco (Grove st.) Eleventh st. Dec. 22, 1847 Twenty-third st. Maps a ve. Grand are Grand	9051	Nov. 11, 1		Fifteenth st	Twenty-fourth st	Feb. 25,1808		50.00 Pending.
Dec. 22, 1847 The Pasco (Grove st.) Eleventh st Thirteenth st Feb. 2 1868 Thirty-first st May 21, 1868 Thirty-first st May 21, 1868 Thirty-first st May 21, 1868 Holly st Thirty-first st	9161	Dec. 15, 1	SWT. The Pasco (Flora ave.)	Twelfth st	Thirteenth st.	Feb. 19,1808		52.50 Complete contract let.
Dec. 22, 1847 Twenty-third st Wabash ave Prospect ave. July 1806	9172	Dec. 23, 1		Eleventh st	Thirteenth st	Feb. 2, 1898	_	Complete contract let.
Feb. 7 1898 Thirty-first st. Baltimore ave Grand ave May 31 1896 Feb. 7 1898 Holly st. Feb. 7 1898 Holly st. Feb. 7 1898 Holly st. Furthernth st.	4184	Dec. 22, 1	-	Wabash ave	Prospect ave.	11 9, 1808		Complete July 9, 1898.
Feb. 7, 1898 Holly st North line Reservoir ave South line Twenty-first st July 1896 Feb. 7, 1898 Holmes st Thirty-sixth st Twenty-sixth st Twenty-sixth st Twenty-sixth st Twenty-sixth st Twenty-sixth st Twenty-sixth st Thirty-sixth st		Feb. 7 18		Baltimore ave	Grand ave	May 21, 1808		Pending in circuit court.
Feb. 7, 1888 Alice bet. Brooklyn and Park ave Thirty-fourth st Fourteenth st Funty-sixth st Funt		Feb. 7, 13	- :	North line Reservoir ave	South line Twenty-first st	10, 1898		Pending in circuit court.
Feb. 9, 1898 Holmes at Thirty-fourth st. Thirty-sixth at Thirty-sixth st. Thirty-fifth st. Cherry st. Cher		Feb. 7. 15	Alley bet. Brooklyn and I	Thirteenth st	Fourteenth st	9, 1808	-	Complete July 9, 1808.
Peb. 9, 1898 Thirty-fifth st	23.50	Feb. 9, 18	٠.	Thirty-fourth st	Thirty-sixth st			No proceeding.
Mar. 3, 1998 Alley bet. Main and Baltimore ave Thirteenth st Twenty-sixth st T	553	Feb. 9, 18	1	Cherry st	Charlotte st			No proceeding.
Mar. 8.1888 Alley bet, Troost ave and Forest ave Twenty-fifth st. Apr. 16, 1888 Charlotte st. Apr. 16, 1888 Charlotte st. Apr. 16, 1888 Torrettenth sts. and Lydia ave. and Grove st. Apr. 16, 1888 Forty-third st. Apr. 16, 1888 Forty-third st. Apr. 16, 1888 Torry-third st. Central st. Central st. Central st. Missobelt st. Mis	527.3	Mar. 3, 18	Alley bet. Main and Balti	Thirteenth st	Fourteenth st	100	-	Pending in circuit court.
Apr. 16, 18th Central st Tenth st Tenth st Tenth st Twenty-third st Twenty-third st The Fast and West alleys and the North and South alleys in the block between Twelfth and Apr. 16, 18th Thirteenth sts. and Lydia ave. and Grove st Elizabeth st Elizabeth st Central st Nov. 16, 18th Campbell st Independence ave Missourh ave. July 18th Apr. 1, 18th Sammit st.		Mar. 8, 18	Alley bet. Troost ave. and	Twenty-fifth st	Twenty-sixth st	May 21, 1898		Pending.
Apr. 16, 18th Charlotte st Nineteenth st Trwenty-third st. Apr. 16, 18th Thirteenth sts. and Lydia ave. and Grove st. Apr. 16, 18th Thirteenth sts. and Lydia ave. and Grove st. Apr. 16, 18th Thirteenth sts. and Lydia ave. and Grove st. Central st. Independence ave. Misabeth st. Independence ave. Misabeth st. July 1 18th Apr. 1, 18th Summit st. June 1 18th	£135	Apr. 16, 1	Central st	Tenth st				Pending in circuit court.
Apr. 16, 18th Thirteenth sts. and Lydia ave. and Crove st. Apr. 16, 18th Forty-third st. Apr. 16, 18th Forty-third st. Apr. 18th Zempbell st. Twenty-nink st. Apr. 18th Zemph St. Twenty-nink st. Twenty-nink st. Twenty-nink st.	\$62477	Apr. 16, 1	Charlotte st	Ninetcenth st				Rep'd Ord. 9774. App. May 20, '98.
Apr. 16, 18th Thirteenth sts. and Lydia ave. and Grove st. Apr. 16, 18th Forty-third st. Central st. Independence ave. Apr. 1, 1847 Summit st. Thirty-first st. June 1, 1847			The East and West alle	North and South alleys in the	block between Twelfth and			
Apr. 16 1884 Forty-third st. Central st. Blizabeth st. Missouri ave. Missouri ave. July 1897 Apr. 1 1897 Summit st. Twenty-ninfs st. June 7 1897		Apr. 16, 1	Thirteenth sts. and Lyd	Grove st.				No proceeding.
Nov. 6, 1862. Campbell st Independence ave Missouri ave July 1, 1897 Apr. 1, 1897 Summit st June 7, 1897 Line 2, 1897 Line 3, 1897 Line 4, 1897 Line 4, 1897 Line 6, 1897 Line 6, 1897 Line 7, 1897 Line		Apr. 16, 1		Central st	Elizabeth st.		_	No proceeding.
Apr. 1, 1897 Summit st. Twenty-ninth st. Thirty-first st. June 7, 1897		Nov. 6, 18	$\overline{}$	Independence ave		mly 1, 1897.		Complete contract let.
		Apr. 1, 18	Summit st	Twenty-ninth st	Thirty-first st.	June 7, 1807		_

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Statement of Expenditures of Engineering Department During Fiscal Year Ending April 18, 1898, at Noon.

Pay Roll— Engineering department—salaries Engineering department—horse hire	\$48,679 (4 925 11	\$44,004 15	
Miscellaneous Expense— Blue prints Abstracts, grading and condemnation plats, etc.	\$476 28 49 94 622 92	\$1,149 (19	\$45,758 24

Statement of Streets Paved With Asphalt at Close of Fiscal Year Ending April 18, 1898, at Noon.

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			. McGowan.	. Swain.		an.	.:	lpin.	. ř.	<u>.</u>	n e	Slass.	obilo.	Co H. J. McGowan, Joseph Lorie, Nat. Sur. Co.	J. McGowan, Joseph Lorie, Nat. Sur. Co.	ا نے	į×	×ä	Strean.
			_	≥		. McGowan	Snyder.	Co W. C. Glass, Hugn J. McGowan. Co American Surety Co. of N. Y., J. F. Halpin.	J. McGowan, Joseph Lorie, Nat. Sur. Co.	W. Hocker, W. E. Hall, R. Callaway	Jas. G. Strean carritt.	W. C. Glass	CO W. C. Glass, G. F. Ballingall.	at. Su	Vat. S	Callaway, W. E. Hall, R. W. Hocker.	Callaway	R. Callaway. J. G. Strean	G. Stream
			& Dep. Co., of Maryland, H.	Wright.	wain	Ž,	k. Car	Wan.	rie	- ম ত	Hall, R. W. Hocker, Jas. G. J. McGowan, W. E. Scarritt	Jos. Lorie, V	E 0	ie, z	orie,]	¥.		ပီပ ≃ —	
		Sureties.	aryla	right	¥. K	Hugh	M.	MCC.	ph Lo	V. E. Hall, R.	Cker,	9. L	Ballin	94 F	T qd:	all, R	CKer,	Ker, Hall,	Hall,
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i	ion	Hydr'c Cem. Concrete in	Z	22	o z		,	6 A	-	- + J.S.	7 Z	0.5	10	4 80	ď,	Oldo	S,Z	00	OldA
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	Specif	Asphalt Inches Inches Enonimunia	E.li. Wabash av W. li. Prospect	Sixteenth st Independ, ave.		t S. line 10th st 115	Twelfth st Fourteenth st 2	of 10th S. line 21st st	11.5	Eighth st	Fifteenth st Sixteenth st	Eleventh st Sixteenth st	Twelfth st Fifteenth st	(N.)i. L. 44-49 (S.)i. L. 41 &56	20th st Hill FK Deacon min		st. Main st. Grand ave.	Pennsyl'a ave W. side Jeh'n st 2 Cherry st. Troost ave	Grand ave Woodland ave 2

Statement of Streets Paved with Asphalt at Close of Fiscal Year Ending April 18, at Noon, 1898.

	Contractor. Sureties.	Jurber T. L. A. Co. Hugh J. McLowan. Joseph W. Mercer. Barber T. L. A. Co. Hugh J. McGowan, R. M. Snyder. Barber T. L. A. Co. Hugh J. McGowan, R. M. Snyder. Jarber T. L. A. Co. Hugh J. McGowan, W. C. Glass, G. F. Ballingal. Barber T. L. A. Co. City Frust Safe Dep. 60, of Philia., H. J. McGowan.	Barber T. L. A. Co. Hugh J. McCowan, W. C. Glass, G. F. Ballingal, Barber T. L. A. Co., National Surety Co., Hugh J. McCowan, Barber T. L. A. Co., Hugh J. McCowan, W. C. Glass, G. F. Ballingal, Barber T. L. A. Co. Hugh J. McCowan, National Surety Co.	harber T. L. A. Co. Joseph Lorie, The Fidelity Dep. Co of Maryland	icil-on Asphalt Co Mississippi Valley Trust Co. W. F. Wyman, Barler Asphalt Co. J. K. Burnham, M. B. Wright, B. M. Tanner. Barler Asphalt Co. J. K. Burnham, M. B. Wright, B. M. Tanner. Barler Asphalt Co. R. W. Hocker, W. E. Hall, R. Callaway. Barler Asphalt Co. Hugh J. McGowan, Role J. Snyder. Barler Asphalt Co. Hugh J. McGowan, Role J. Snyder.	Barlet Aspitalt Co. (1997). Metchwan, Jos. Interest Aspitalt Co. (1997). Metchwan, Barlet Aspitalt Co. (1997). B. D. & S. Co. of Phila. (1994). McGowan, Barlet Aspitalt Co. National Sureity Co. (1994). McGowan Barlet Aspitalt Co. National Sureity Co. (1994). McGowan Barlet Aspitalt Co. (1994). McGowan, Jos. Lorie, W. C. Glass, Barlet Aspitalt Co. Am. Sureity Co., Hugh J. McGowan.	Barber Asphalt Co. Hugh J. Meccowan, Rold. M. Snyder.	Barber Asphalt Co National Surety Co. Maryland, H. J. McGowan Barber Asphalt Co. Fidelity & Dep. Cc. of Maryland, H. J. McGowan Barber Asphalt Co. Fig. McGowan, W. C. Glass, G. F. Ballingal Barber Asphalt Co. Am. Surety Co., Hugh J. McGowan. Barber Asphalt Co. Jos. Lorie, B. B. Joffee, Hugh J. McGowan.	Marber Asphalt Co. Fidelity & Dep. Co. of Maryland, Nat'l Surety Co.	Gilson Asphalt Co. American Surety Co. of N. V., Julius Bachman, Barber Asphalt Co., Jas. K. Burnham, J. W. Swin, W. F. Wyman, Barber Asphalt Co. F. Ballingal, W. C. Glass. Barber Asphalt Co., W. H. Hall, R. W. H. eker, L. G. Strean.
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	ć.	Cherry & central & Wyandotte & Summit & Lydia nye	Baltimore ave Wesstland ove Broadway West line of Olive st	East line of	Code Sign of Code	welfth st complett st Verginise aver standare Fifteruth st creenth st	Parteentle st	Lweeth 4 Lwette 4 Lweeth 4 Lweeth 4 Lweeth 64 Lweeth 64 Lweeth 64	7 7 E NO. 6	Verification of the second of
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Holmes st.	Eighth st	Twelfth st	14.14	7	-	 G	16. 1898	-	5 Oct. 16.	1901	1.549.00	87.0	5.068.80	12		Barber Asphalt Co.	
Holmes st	Twelfth st	: st	31		•	July	uly 31. 1894		5 July 31, 1800	1884	1,419.00	0.27	5, 124,50	31	-	Barber Asphalt Co.	W. L. Scarritt, E. L. Martin. H. J. A
Harrison st.	West line	Fauth St	7.7	1,2	+	Ç.	Dec. 8, 1895	<u>-</u>)ec. 3,	 28	3	9 9	Z.1921.			Barber Asphait Co.	H. J. McCowan, W. C. Glass, G. F. Ballingal.
Independ, ave. Grand ave	Grand ave	Highland ave	31	15.	ıc.	Nov. 24.	24. 18u:1		5 Nov. 24, 1888	1888	5,075,00	0.0	17,061 90	31	Barber A.	Barber Asphalt Co.	J. G. Strean, W. E. Hall.
Independ ave Walnut st	Independ ave Walnut st		24.5	7	Old.				5 Dec. 1, 1901	1901	27. 27. 27. 27. 27. 27. 27. 27. 27. 27.	3.3	1,111.20	-	Barber	Barber Asphalt Co.	2:
tudepend, ave.	South line	North line	 , :	7.7			361 '11	· -	. Tr	- T080	8.00	27.7	, 15. C	N. 3	Dalloci	Spinan Co.	n. J. mccowan, K. M Suyuer.
Indiana ave			15 18	1%	7	Sept	Sept. 27, 1897		5 Sept. 27, 190	27, 1902	1,420.20	0.27	4,699,40	2 12	Barber A	sphalt Co.	Barber Asphalt Co. H. J. McGowan, National Surety Co.
Jefferson st.	Fourteenth st.	Sixteenth st		1.7	+	<u>ت</u>	1869		ct. 12,	1900	521.00	0.0 0.0	1.336.60		BarberA	sphalt Co.	W. C. Glass, H. J. McGowan.
Tefferson st	Sixteenth st	Fighteenth st	7	11	-	lan	1804	10	5 11	1001	1 572.00	0.00	0.071.90	6	Barber	sphalt Co.	H. I. McGowan, W. C. Glass.
lefferson st	Tenth st	Eleventh st. 115	2.7		-	Dec	31, 1895	200	5 Dec. 31, 1900	1800	131.00	3	1.562.20	3	Borber A	Borber Asphalt Co.	W. C. Glass, G. F. Ballingal.
Locust st	Eighth st	Fifteenth st		15, 14	Old	Nov.	Old Nov. 18, 1894	- C	lov. 18,	1896	2,914.00	0.55	11,311.10	34	Barber A	Barber Asphalt Co.	American Surety Co.
		East line, lot 9			_	'		<u>-</u> ;	į		;			. '			
Lawton Place	Washington st	Washington st Lawton Pl. Ad. 112	7	200	•	an.		-,-	5 au 5	203	21.00	2 3	557.50	83	Parker	Parker, Wash. Co.	W. M. Holmes, C. and McR. S. Co., D. McCor'k
Tadia one Tarnell ave	Turnifeh et	Wabashave	, :			\$:	200		500t. 18, 1908	200	1.158.(3)	2 2	5,445.40		Barber A	Barber Asphalt Co.	
Mrche st	Twelfthst	Nineteenth st	7.3	2	. c	Dec .	1 2 2		5 Dec 21.	136	8 137 00		11.02	3 9	Barber	Barber Asphalt Co.	
McGec st	Eleventh st	Fwelfth st		115		Aug.	1800		5 Aug. 9.		878.00	0.0	1.677.₩	3	Barber A	Barber Asphalt Co.	
May st	Fifth st	Sixth st	25.5	:			Dec. 4, 1890		5 Dec. 4, 1		270.00	0.0	1,099.90	÷.	Barber A		
Main st.	Missouri ave	Seventh st	 	 	등.	00.	Oct. 14, 1892		5 Oct. 14.	06	678.00	31.6	S. 1. 2. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.	62 년 년 3	Barber A	Barber Asphalt Co.	
Michigan ave	I WCIIIII SI	Center line					10 1080°		رد <u>۲</u> ۰۰		1,000.00	5	0/.016.0		ישוו הכו א	Spugar Co.	rid. Dep. Co. of maryiand, ii. j. mccowan.
Main st	Seventh st	Twelfth st	~ ~	31	PIO	oct.	36, 1892		5 Oct. 28,	26, 1897.	2,011.00	0.38	8,009.30	34	Barber A	Barber Asphalt Co.	R. Callaway, W. E. Hall, R. W. Hocker.
Missouri ave.	Walnut st	Locust st	34 °	71	PIO	0ct. 1	Old Oct. 10, 1886		5 Oct. 10, 1901	1901	057.00	0.17	3,279.80		Barber A.	Barber Asphalt Co.	American Surety Co., H. J. McGowan.
Main st	I mrd st	Missouri ave	-1	7	<u>.</u>	Nov.	7.1		. 17	2	8.5	Z :	3,346,60	N :	Barber		H. J. McGowan, J. G. Strean, R. M. Snyder.
Minne st	Fact line	Clive of		<u>,</u>	*	Z Z	1, 130		epr. 7.	28	3	6.15	2,480.10		Barber A	Barber Asphalt Co.	CITY I. S. D. & S. Co. of Phila., H. J. McGowan.
Ninth st	Broadway	Washington st	?	61	•	Tune	Tune 4, 1896	5.7	ine 4		460.00	80	1.381.10	2 65	Barber A	sphalt Co.	los. Lorie. B. B. Ioffee, H. I. McGowan.
Ninth at	Woxlland ave. Prospect ave	Prospect ave		_	•	Apr.	Apr. 15, 1889		5 Apr. 15, 1894		2,570.00	0.45	7,645.68	2	Barber A	sphalt Co.	Barber Asphalt Co. Jas. K. Burnham, J. W. Swain, W. F. Wyman.
Ninth st	Delaware st. Broadway	Broadw 1y	24	1,2	919	July	28, 1862.		ıly ½8,		1,874.00	9.79	3,642.00	e4 	Barber A.	sphalt Co.	R. W. Hocker, W. E. Hall, R. Callaway.
Ninth st		Forest ave	24			Sept.	Sept. 22, 1898		5 Sept. 22, 1888		2,838.00	C.57	11,861 80	2 50	Barber A	Barber Asphalt Co.	H. J. McGowan, R. W. Hocker, R. M. Snyder.
Ninth st	Forest ave	Lydia ave.	7.	1,2	-	0ct. 1	Oct. 18, 1895.	Ç.	ર્સ ઇ		60.00 20.00	0.17	3,850.30	21	Barber	sphalt Co	H. J. McGowan, W. C. Scarritt.
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Statement of Streets Paved with Asphalt at Close of Fiscal Year Ending April 18, at Noon, 1898.

:			Specification	icatie	Ę			×	Maintenance.	ــ نو		_	-	F		į
Mirel	From	å	Asphalt, Inches. One Cone. eshort		gi = gaog	Accepted	perd	_ Krast	.estiq#.H	<u> </u>	Lineal Feet.	*olile *>	Square Varels	Cost her edimic Luri	Contractor	Sureties.
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		St John ave	77	_	7	May 19,	_	·••		3		•	-	-	Bather Asp. P. Co.	
th	Independence Twelith of	Twellthat		_	×	N. S.	Ī	•=	Nav Kr.		-	-	= /:13	2 ;;	G. M. Furman	G. Stream R. Ca
111111	HE KY HENDER WITH A	7 - 5	=		<u> </u>	Fi 2	3	•=	Dec. 25, 1801			_	12, ordo 340	22	Barber Asp. P. C.	Barber Asp. P. Co. National Surety Co., Hugh J. McCowan.
7 22	7 411 3	Lighternth A	:•	_	ž +	易石	<u>}</u>	.:	St. 18, 150		- OF MARIN		1. W. V. M.		Barber Anp. P. C.	o f. G. Stream, W. E. Hall, R. W. Hocker.
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	11 - 1-11	W. 1111 -4	.,		<u> </u>	F S	Ž	••	Dec. 29, 1467		- 65 25 2	= 3	11,182,10	.;	Barber Asp. Co.	R. Callaway, W. E. Hall, R. W. Hocker.
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		July July 1			ř. =	_	will a law		* X X X		1. (M) ***	= = =	î î	2	2 (0) Barber Asp. Co.	H.J. McCowan, R. W. Hocker, W. E. Hall, J.G. Strean
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÷.	[s] .ave	I'ray and	77		7.	May 21	3	4	May 21, 144			3	3.27.51	-		J. K. Burnham, T. W. Swain, C. C. Perrin
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			Spec	Specification	no		M	Maintenance	-	
Street	From	To	Asphalt, Inches.	Bit. Conc. Inches. Hyd. C'm	ConcIn.	Accepted.	Yenrs.	Expires.	Lineal Feet.	
Troost ave.	Center line of 23d st Baltimore ave	North line of 28th st Washington st	20-00	11	4 Fel	Feb. 5, 1897 Oct. 8, 1895.	11	5 Feb. 5, 1892 5 Oct. 8, 1900.	8,822.00 1,558.00	
	Belt Ry. Bridge	28d st Fifteenth st	77	77	4 Jan.	r. 25, 1807.		5 Jan. 25, 1902 5 Nov. 15, 1900	1,395.00	
Tracy ave.	Fifteenth st	Seventeenth st			Old Dec.	20,	-	Dec. 20, 1900	-	
Troost ave	Ninth st Twelfth st	Twelfth st.	77	0 11	old Dec.	c. 29, 1896, c. 10, 1895	7	5 Dec. 29, 1901 5 Dec. 10, 1900	0 8,230,00	-
Troostave	North line of 28th st	Center line of	15	11	4 Dec	Dec. 11, 1895	-	5 Dec. 11, 1900	0 2,067,00	
Tenth st.	West line of Broadway	East line of Summit st.	11	11 3	Md Sej	Sept. 17, 1897	-	5 Sept. 17, 1902	2, 1,305.00	
With st		West line- Troost ave.	1	17	-	Sept. 22, 1897	10	Sept. 22, 1902	2., 1,766.50	
Troost ave	st	K. C. B. Ry B'e.	Bev		6 Dec.	c. 23, 1897	10	Dec. 23, 1902	475.00	-
Thirtieth st	2	ave, (Main st.)		- American		y 17, 1807.		5 July 17, 1002.	1,487.00	
Wyandotte st.	Fifth st	Ninth st	C1 21	-	6 Sept.	28.	06	Sept, 28, 1870 Dec. 8, 1870		-
Woodlandave.	Independe av.	Ninth st.	24.24		-	c. 18, 1888, v 21, 1889		Dec. 18, 1898 May 21, 1894	-	_
Wall st	Seventh st	Eighth st	24.2			17		5 Oct. 21, 1876		0.06
st. st.	Nineteenth st.	Twentieth st	1010	-	-	v. 6, 1890		Nov. 6, 1800	-	0.08
Walnut st.	Thirteenth st.	Sixteenth st Thirteenth st	Tales	0	200	Nov. 4, 1892 June 15, 1838		5 Vov. 4, 1897 5 June 15, 1838	H	
	North line Sixteenth st	South line Nineteenth st.	gi.	7	-	Aug. 18, 1800		Aug. 18, 1898	-	-
Walnut st.	North line Fifth st	Ninth st.	21	7	5 July		3	luly 20, 180	0. 1.768.00	
Wabash ave Wyandotte st	Eighth st.	Twelfth st.	Fa.	17	5 Oct.	g. W. 1850 t. 8, 1806		5 Oct. 8, 1900.	+	
Wabash ave	Sixth st.	South Due Righth st.	==	-	4 Oct.	r. 22, 1895 b. 21, 1896	-	5 Oct. 22, 1900. 5 Feb. 21, 1901	588.00 T. 876.00	-
Washington st.	South line Tenth st.	South line Thirteenth st.	11	11	f Jan.	1, 25, 1897	-	6 Jan. 25, 1902	1,396.00	
Wabash ave. Washington st.	North line of Independe av. Thirteenth st	South line Dora ave Pourteenth M	-	222	4 Nov. 19, 4 Oct. 26, OM Pune 28,	Nov. 19, 1896 Oct. 26, 1896.	-	5 Nov. 19, 1901 5 Oct. 26, 1901.	1, 2,606,00	
*Complem	Combination payment of Tringlad Lake Archalt and Diamond Vitrified Brick	of Trinidad Lab	To Aler	hall a	ind Di	V bunning	irrife	of Britek.	W(707 110	

Statement of Streets Paved with Asphalt in Annexed Territory at Close of Fiscal Year Ending April 18, 1898, at Noon.

	Surr ties.	. Hugh J. Metiowan, Joseph Lorie . Hugh J. Metiowan, W. C. Glass.	N. C. Sarritt, W. C. Class.			ing marker well. For which scientiff, which makes	Lighter 1 27' Barber Asp. P. Co. Hugh J. Meddwan, Joseph Lorie.	200 Bather Asp P Co W C Scarritt, W C. Glass.	the state of the s	Rather Asp. P. Co. Hugh. J. Medowan, R. M., Suyaer. Barb. Asp. P. Co. Hugh. J. Medowan, W. C., Glass.	2 m Buller Astr. P. Co. Hugh I. Mediowan, Jas. B. Mediowan.		197] Rather Asp. P. Co. Hugh J. McCowan, R. M. Snyder,	I we Barber Asp. P. Co. Hugh J. Medowan, W. C. Glass.	o Hugh J Medowan, W. C. Glass.	1s7 Barber Asp P. Co. Hugh J. McCowan, Jos. Lorie.	Busher Aen, D. Co. Buoh J. McChenn. W. C. Class		Barber Asp P Co W. C. Scarritt, W. C. Glass.		Barber Avp. P. Co. Hugh J. McCowan, W. C. Class.	Barber Asp. P. Co. Hugh J. McGowan, W. C. Glass.	Barler Asp. P. Co Hugh J McGowan. II H Anderson.	[Will P. Gaines, W. E. Hall.]	
	Con tractor.					Barber Asp. P. C.	Barber Asp. P. Co	Barter Asp P C		Barb Asp P. C.	Barler Asp. P. C.		Barber Asp. P. C.	Barber Asp. P. C.	Barber Asp P. C.	Barber Asp. P. C.							Barler Asp. P. C.	Barbar Arn D C	
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	Ę	Westport ave	7 - 5	- - - - -	* cure har		W. redotte 4		- : : : : : : : : : : : : : : : : : : :	14 110 17 T	1 - 1 - 1 - 1	7	PROPERTY.	West of the	11 - 11 11				W. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		M. Janes 4.	A CHARLES		Nation Later	4103411
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Statement of Streets Paved With Brick at Close of Fiscal Year Ending April 18, 1898, at Noon.

	!		Specific	cificat'u		! 	X	Maintenance.	ınce.						
Street.	From	T S	Spaces Between Brick.	Concrete, inches.	Ψ	Accepted.	¥2815.	F,x pires.		Lineal Feet.	.asliM	Square Vards.	Cost Per sqyd	Contractor.	Sureties.
Brooklyn ave		Thirteenth st.		•	šept.	Sept. 12, 1803	'	5. Sept. 12.	1888	432.00 0 .0R	E	1063.00	1	1.799 G. K. Musselman.	
Baltimore ave. Brooklyn ave	Thirteenth st Thirteenth st	Fourteenth st.	Sand		June Apr.	June 11, 1896. Apr. 27, 1894.		5 June 11. 5 Apr. 27.	1800	991.00 0.08	9 S	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 	F. P. McCormick	F. P. McCormick David McCormick, E. F. Swinney. F. P. McCormick David McCormick, Gns D. Welch.
Broadway.	produced west	Sixth st.	Sand	•	Oct.	26, 1894		5 Oct. 26,		794.00	-5	4963.00		7.	McCormick David McCormick, R. F. Swinney.
Broadway		Twellth st.	Sand		٠ کو	18. 18.				288.00	Ę.	1187.90		_	H. S. Trestrail. F. G. Trestrail, C. D. French.
Belleview ave	Twenty-Third 24th st	nth st	Sand Sand	+ «	<u>و ج</u>	5. 5. 5. 5. 5. 5. 5. 5.		500g	6.5	88	21 8	2116.00 1758.60	39		Fred Feigel
Baltimore ave.	Twenty Ninth 31st st	:		•	,	7. 186				1251.50		8481.10			Parker-Washn. Co. F. P. & D. McCorm'k, G. P. Kirtley, S. U. Bride, H.
Belleview ave		21st st.	Sand	•	Se pt	27, 189		5 Sept. 27.	1902	610.90	<u>-</u>	2002.80	1.40	_	Parker-Washn. Co. F. P. & D. McCormick, C. & E. I., Marshall, M.
Baftimore ave.	Baltimore ave. W. of Balt. ave	west Blvd.	Grout.	_	Oct.	15, 1897.		6 Oct. 15,	15, 1902.	792.80		8869.30		Parker-Washn, Co	5. oz. L. w. Craig. 1.42 Parker-Washn, Co. J. M. Sellers, D. & P. P. McCormick, W. H.
Raftimore ave		Seventeenth at Grout	Grout		Nov	6 Nov. 18 1897		5 Nov. 18, 1902	1909	616.30		.00		140 Fred Feigel	Ambrose Talbott The Fidelity & Denosit Co. of
		North line				1	-								Maryland.
Belleview ave	First st	tald st	Grout.	c	Mar.	:1. 189t	io o	6 Mar. 21, 1898 5 Mar. 81, 1908	1903	610.70		2046.20		1.48 M. Mense	Chas. H. Kollman, W. F. Zahner.
Bell st.	of Westport	Sund at	Sand	æ	Mar.	6 Mar. 15, 1898.		5 Mar. 15, 1908	1908.	746.70		2012.30		1.499, Fred Peigel	Wm. Muchlbach, Geo. Muchlbach.
Rellet	Southerly line	Southern	Sand	~	Apr 18	13 1808		Apr 13	1008	90,000		21A AU		Parker Washn Co	24 Parker-Washn Co B P McCormick The Amer B & T Co Ballmr
Campbell st	Fifteenth st	Sixteeenth st.		· •	Aug.	11.		5 Aug. 21,		308	ž	1622.00		Peter Purcell	J. Glennon, J. Lillis, F. C. Trestrail, C. A. Chambrin.
Central st	Ninth st	Fenth st	Sand		Apr.	24, 1893.				8.00	€.	1795.00		JC. L. Powell	.679 C. L. Powell T. Brosnahan, W. Weston, R. B. Farley.
Cherry st.	Twenth st	Twelfth at	Sand	c «	A Dec.	1.08		6 Dec. 1,	190	36.65	e X	5191.2	- 4	48 Trestrail Pav. Co	Trestrail Pay, Co., City Trust & Bale Deposit and Surely Co.
Cherry st.	Indepnde, ave.		ē		Aug.	16, 1897.		5 Aug. 16.		35.5	-	818	1.475	475 M. Mense.	Chas. E. Kollman, William E. Zahner.
Charlotte st.	Fighth st	Twelfth st			Sept.	22, 1807.	٠.	5. Sept. 22,		1561.80	-	68.38.50	1.470	.475 M. Mense.	Char. R. Kollman, W. E. Zahner.
Campbell st	Fifth st	Indpudne, ave.	Grout		Mar.	11.15	-,	5 Mar. 11.	50.00	12.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.	=	2882	 	M. Mense.	Chas. E. Kollman, W. E. Zahner.
Eighteenth st.	Main st	Grand ave	Sand			1981		5 Apr. 21		8	22.	1880.00	1.93	F. P. McCormick.	David McCormick, G. G. Neiswanger.
Righteenth st.	Olive st.	Prospect ave.	٠ ٢	Old Oct.	o G	10, 180				8.8	21.8	2168.50	7.5	_	_
Righteenth st	Voodland ave	Olive at	Z Z	BTK	A Aug.			SAIV B	25	2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	8 8	3 2	1.70	Trestrail Pay Co	National Surety Co.
Fifth st	-		Sand	P 0	Old July	21, 1808.		6 July 21,		1471.00	8	8880.00	,,,,,		
Fourt st.	Walnut st	Grand ave	Crout	t. Old Apr.	Apr.	19, 18 6 ,		OAPT. 10,	1802	39.98	<u>ē</u>	987.10	1.40	M. Mense.	James G. Glennon, E. Beringer, C. K. Kollman.

Statement of Streets Paved with Brick at Gose of Fiscal Year Ending April 18, 1898, at Noon-Continued.

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			Specificat	tion		-	Main	Maintenance.			_			_	
Ricel	From	ę	Spaces Between Brick.	Concrete. Inches.	Accepted	=		Expires	Lineal Feel	.esliM	equare abraY	Cost per Square Yar		Contractor.	Sureties.
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mith et	Delaware of	Muin 4	Pu y	old		3	MA	y 16. 146	200			À.	<u>۔</u>	. McCormick	David McCormick, Gus P. Welch.
frenth -t	Tenney's aure	Broadway	Z ng	.∵. +	֔,	ž) ii	東 ぶん	118.00			-	<u>.</u>	P. McCormick	
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Statement of Streets Paved with Brick at Close of Fiscal Year Ending April 18, 1898, at Noon-Continued.

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South line [Fif. North line of Cert. 6] June [9, 1867] [1] June [16, 1867] [1] Montecuth st Nineteenth st Sound [6, Apr. 21, 1867] [2] June [16, 1867] [2] June [16, 1867] [3] Month st Nineteenth st Sound [6, Apr. 21, 1866] [3, Apr. 21, 1868] [3, Apr. 21, 1868] [3, Apr. 21, 1868] [3, Apr. 21, 1869] [4, Apr. 21, 1867] [4, Apr. 21, 1867] [4, Apr. 21, 1867] [4, Apr. 21, 1867] [4, Apr. 22, 1868]	. 2551445 21	Fred Feigel. Fred Feigel. Jas. O'Donnell. Jas. O'Donnell. By as. O'Donnell. Fred Feigel. Fred Feigel. We see Tim Brosnahan. Goo. J. Baer.	A. Talbatt, The Fidel, & Dep. Co. of Maryland, A. Talbatt The Fidel, & Dep. Co. of Maryland, M. A. Kelly, J. W. Drinkwater, James Burns, M. Meure, Wim. F. Zalmer, W. A. Kelly, J. W. Drinkwater, James Burns, City, Trus, Sure Dep. W. Sure, Co. of Philadelphia, John R. Ghio, John Calligan.
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Lard lune, with west lime of P. C. Ott. 6 Nov. II, 1867 [5, Nov. II, 1802] [113,50] Since on a Eighte coult st Sand, 6 Mar. 22, 1885 [5, Mar. 22, 1984, 867,10] Finey ave Crout. 6 Apr. 23, 1867, 5 Apr. 24, 1902 [4, 21,60] Washington av Pennsylva ave Sand 6 May 21, 1865 [5, Apr. 12, 1807, 180] Forneywa ave Jefferson st Sand 6 May 21, 1865 [5, Apr. 12, 1802, 180] Wyoming st., Genesee st., P. C. Grt. 6 July 13, 1867 [5, July 13, 1902 [2, 25, 20] Wyoming st., Genesee st., Sand 6 July 13, 1867 [5, July 13, 1902 [2, 25, 20] Wyoming st., Genesee st., Sand 6 July 13, 1867 [5, July 13, 1902 [2, 25, 20] Wyoming st., Genesee st., Sand 6 July 13, 1867 [5, July 13, 1902 [2, 25, 20] Wyoming st., Genesee st., Sand 6 July 13, 1867 [5, July 14, 1904 [4], 20, 20, 20] Eighteenth st., Sand 6 Sept. 28, 1867 [5, Sept. 28, 1902 [5, 28, 38] Eighteenth st., Sand 6 Sept. 28, 1867 [5, Sept. 28, 1902 [5, 38] Eighteenth st., Sand 6 Sept. 28, 1867 [5, Sept. 28, 1902 [5, 38] Ecxington ave Instepend'e ave Sand (6, 1902 [5, 1892 [5, 1902 [5, 184] [5, 18] Environmental averaged avera			_
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Ave Texington ave Independeave Sand 6 Nov. 2, 1889. 5 Nov. 2, 1894 Lab 00 Levington ave Independeave Avp. Ct. 4 Dec. 7, 1802 1806. 7, 1807. Labloomedeave Avp. Ct. 4 Dec. 7, 1807 5 Oct. 81 1807 1801. 100			F. G. Trestrail, National Surcty Co.
Levington ave independe ave Avp. Ct. 4 Dec. 7, 1802. G Dec. 7, 1807. Landon Independe ave. Avp. Ct. 1904. St. 1804. St. 1804. Tital 100.	20 584.00	(,eo. A	A. V. McKim, H. H. Stukenleig, Cynus Near.
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n ave Seventh st. Fighth st. Sand 6.Nov. 13, 1894 5 Nov. 13, 1890 312.00	1,076 30	Walte	James Lillis, James G. Glennon.
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Koberts st. dama ave. Bales ave. Crout 6'00'C. 28' 1841 10'Cl. 28', IMZ 105.00' Sivila Broodway of Dalowers of Art Cf. 16 Apr. 11 1888 5 Apr. 14 1888 1 1048 00	1,213.30	M. Trestrail & Brosn	F. F. McCormick, D. McCormick, C. Marshall, E.
Santa Fe st. Union ave. Sand 6 Dec. 19, 1893, 5 Dec. 19, 1893, 1,178,00	4,980.00	S7 Robt. J. Boyd.	W.M. Boyd, R.
Flora ave Asp. Ct 1 Sept.	11,650.0	7. P	National Surety Co. [R. B. Farley, Wm. Weston.]

Statement of Streets Paved With Brick at Close of Fixal Year Ending April 18, 1898, at Norn. Continued.

	Surctic	C. A. Chamberlain, R. B. Farley, A. Mayland, James B. Smith, W. M. Wright John Galbgan, J. B. Ghio, James Burns, Thes Reilly Gas, D. Weltel, James, J. Gray, Rold, J. Boyd, Nathenal Surety, Co.	David McCormick, National Surety Co. Rold Boyd National Surety Co. F. P. McCormick, National Surety Co.	F. P. McCormick. David McCormick, E. F. Swinney. F. P. McCormick. Private Contract. Cha. E. Kollman, W. E. Zahner. Farker-Wishn, Co. H. Selvers David McCormick, W. H. Stevenson, H. S. Trestrall. F. G. Trestrall. F. G. Trestrall. F. Smith N. Co. C. F. Coonderr, W. W. Sherwin, Geo. L. Nellis, Lillis N. Glennon, Diamond, B. N. T. C. Co. J. O'Donnell R. J. Bayd. C. A. Chamberlain, R. B. Farley, Wm. Weston.	American Surety Co. N. V., S. K. Faris, John B. Ghio, John Galligan, National Surety Co. F. P. McCormick.	National Surety Co. James Lillis, F. F. Swinney. James Lillis, F. F. Swinney. James Armstrong, J. J. Armstrong. David Nectorance, Gus D. Welch. National Surety Co. Jas. Hamilton, Gus D. Welch, M. M. Holmes. W. A. Kelley, A. G. Sutherland, James, Burns.
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Statement of Streets Paved with Brick at Close of Fiscal Year Ending April 18, 1898, at Noon-Continued.

	Sureties.	W. A. Kelly, D. S. McGonigle, L. A. Willard.	P. G. Walker, Jr. C. Powell, G. G. Clarkson. Gus K. White, M. M. Holmes, Gus D. Welch.	Gus D. Welch, E. C. Findlay, Jacob Welsh.	R.J. Boyd P. & C. Co. Robt. J. Boyd, National Surety Co.	Fidelity & Deposit Co. of Maryland.	Chas. F. Kollman. Wm. F. Zahner.		R.J. Boyd P. & C. Co. R. J. Boyd National Surety Co.	F. F. McCormick (Cus D. Welch, David McCormick.	F. G. Trestrail, T. Brosnahan, C. A. Chamberlain.	C. J. White, Wm. Wassall, C. D. French.	James Burns, W. S. Halliwell.	National Surety Co.	John Galligan, John B. Ghio.	National Surety Co.	mes marking last of Committee	D. McCormick, F. P. McCormick, F. F. Swinney.	. Mense, Chas, Kollman.	A. Talhott, The Fid. & Dep. Co. of Maryland.	Cha., E. Kollman, W. F. Zahner.	ءِ ا	A. Talbott, The Fid. & Dep. Co. of Maryland.			
	Contractor.	James O'Donnell.	C. I. Powell	J. E. Faris.		1,208.40 1 55 Fred Feigel					P. P. McCormick	F. G. Trestrail	Jas. O'Donnell	Trestrail Pav'g Co. 1	Geo. J. Baer	E C B & C CO		James Hamilton	Walter Williams	Fred Feigel	M. Mense	400 Parker Wesh Co	413 Fred Feigel	-:		
.b	Cost per	. 38	26 €	~	1 40	156	1 29	•	<u>'-</u> :	3 5	3	36	15	1 493	.e:		-	3	-	۰,	1 2	-	٠.		-	;
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tion	Concrete, Inches, A con P con D con	6 Aug. 18, 1803.	5.d Oct 8, 1885	Apr.	OM Dec. 29, 1896.	6 Nov. 10, 1886.	OM Tune 19, 1897		٠ ا	6 May 3, 1801				2	6 Apr 21, 1893	Old Apr 10 1894			Nov. 21,	May 14.	6 Aug. 12, 1897.	<u>غ</u>	ន៍ន			
Specificati	Spaces Between Brick,	Sand	Sand	Sand	burs	Sand	Grout		Grout	Sand	Asp. Cmt.	Sand	Sand	Sand		Sand	:		Mur. Grt.		Grout	thou to	Grout	-		
-	Đ Q	Troost ave	Lydia ave	Oak st			East line Liberty st	East line Penn-	sylvania ave Grout	Lourt, anth et	K. C. Belt Rv	Eventh st	Fifteenth st.			Southwest Bro		Third st	Eighteenth st	Liberty st	Seventeenth st Grout	Weardotte of Seventeenth at Southwest Bud Crout	Tenth st	-		
	From	Main st	Washington st. Summit st Tracy ave Lydia ave	Southwest Byd Oak st	Mulberry st	West line South rest Bvd	West line Hickory st	West line	Broadway	Vinte St	outh st	Wvandotte st	Twelfth st	•	Fourteenth st.	Third of	Feet North of	Second st	Fifteenth st	Sixteenth st.	Sixteenth 8t	Cerembeenth at	Ninth st		Total Amounts	
	Street		Thirteenth st	:	Twelfth st.	grd st	Twelfth st		Twelfth st.	Virginia are			Would and ave			Walnut et		Walnut st	Wabash ave	Wyoming st	wyandotte st	Wvandotte st	Woodland ave Ninth st	-!	Tot	!

Statement of Streets Paved With Stone Blocks at Close of Fiscal Year Ending April 18, 1898.

	Sureties.		Empression 1. State 1	James McGonigal Ed I., Scarritt				P.G. Trestrail, C.D. French, J.H.Owens.			C.D.French, F.G.Trestrail, J.S.French.	C.D.French, F.G Trestrail, J.S.French.	W. H. Winants, Witten McDonald,	A. Frame, J.O'Connor, J.McGonigal.			-	J. C. Glennon, J. S. Lillis.		
	Contractor.	L. George Todd	Kepley & Arnent.	W. J. McGonigal.	B. F. Camp	E. Saxton	Comstock & Halsey.	C. I. Powell	J. D. Hackett	Geo. J. Baer	II. S. Treatrail.	H. S. Trestrail.	Mulvane & Kepley	James McGonigal.		F. C. Trestrail	C. L. Powell.	James O'Donnel		
	Remarks	Repayed and repaired. George Todd							:							Reconstructed.		:		
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Maintenance.	Krais.			5 Jan. 29, 19495			-	: June 35, 1886	1		5 Dec 11, 1900	i Oct. 15, 1980.	i Dec. In 1986.					6 May 12, 1869.	- - 	
	Accepted	13.5	Jan. 7, 1960	Jan. 19. 1941.	Jan n 1460	Aug - Law			Nar 's IE'	June 4. 1986	Ξ	Oct 15, 1745						⋍		
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<u>*</u>	- roo	Bluff of bridge w	Grand ave. A	W. end of 11th &	Muff.	Front	Thirteenth	S li Eighth	Grand ave.	Twelfth	Walnut	Walnut	- 11-11	Crand ave		rt . Hickory	Fourth	N II FIND		. 2 12 miles
	From	Lifth	Irlaware.	Santa Fe	Broadway.	Third	(nion ave	Frunth	Main	Cnien ave	118111	Main	Liberty	Main	Easterly It St	Louis Ave CX	Andotte fecond	N II Fourth		Total prived to date, 2 12 miles
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Statement of Streets Paved with Macadam, Etc., at Close of Fiscal Year Ending April 18, 1898.

	Sureties.														fr., National	W. H. Dixon A. McIntyre.	(Natl. Sty. Co
:	Contractor.	M. Walsh	T. Brosnahan	Street Dept	W. H. Crowley		J. Keating		3	G. G. Neis'w'r.	3-8	T. Brosnahan	A. J. Armstr'ng	A.J. Armstr'ng	G.K. Mus'lm'n	C. I. Powell	G. K. White J. Halpin J. Casey
-	Remarks		Ar.Sto. Gut	9		5	90% Brick Gut.				Brick	Brick Gut.	Brick	פרוכא נימנ.		0	5
. E	Cost per	5/61	₹3	176	7-	ć				3 .7		1 5 15	70.2	22	1 00	79 9-10	2 223
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	Miles.	# 5	<u>« »</u>	98	3 3	200	923	2:	9.5	96		761	23	205		180	27.16 25.018 25.00
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	Accepted.	Oct. 4, 1894.	Sept. 1, 1892 Sept. 13, 1892	Feb. 27 1803	3	Sept. 26, 1898	Jan. 6, 1896 Ang 11, 1891	<u> </u>	July 81, 1891.	Jan 11, 1802.	2	Nov 26, 1802 Feb 23, 1803	Apr. 21, 1896	Jan. 12, 1897	Mar. 23, 1897.	Nov. 27, 1891 Aug. 81, 1898	Oct. 18, 1891 Mar. 2, 1898. Apr. 28, 1898.
Inches.	Holern Holern Limestone. Berh. Falls Limestone. Bank Gravel.	21	**************************************	13	121	9	· •	e e	o •c	4		0	***	· e	100	9	999
ıl Used	Limestone Screenings. Crushed Limestone	_	90			-	0.0			70.		9	e 1	62	æ	- 28	12-
Material	Granite Screening, Gravel,	T		_	-	7	æ	_	8.5	c				4	- :	: !	<u> </u>
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1 -	ōt	25th	15th 19th		Independ	Twelfth	18th Santa Fe		Mill.	Prospect	E. I. Wyom.	Woodland	Sth	E.C. Lim	Prospect	S. W. Bvd 85f. E. of Se.	c.l.b7H Sad Independ Fifth 18th
ļ _i	From	133d	12th	Independ Fifth	Third	Ninth	Mil.	F.	<u>ئ</u> بن	Olive.	Fourteenth W. I. H'r'y. E. I. W	Virginia	19th	Woodland. F. C.	Park	Shawnee	Lydia ave Fifth Third. Ioth
1	Str.et.	Baltimore	Cherry	Chestnut	Cherry	Campbell	Campbell Fighth	Fighth	Eighth	Eleventh	Fourteenth	Fourteenth Virginia	Flora	Fifteenth	Fourteenth Park	Genesee	Holmes Holmes Harrison

Statement of Streets Paved with Macadam, Etc., at Close of Fiscal Year Ending April 18, 1898.—Continued.

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Hickory Indepen A Indepen A	Hickory. 'Eighth. Ninth Indepen A Walrind av'H. C. I. Indepen A W. I. W'dl'dlE. I. W.	Ninth V.F. C. Lim	- 	!		, ,	222		Apr. 28, 1968 Oct. 27, 1863. May 24, 1865	333	 '	451	. री :	1048.90 5187.20 24825.70	35 7 ×	Stone Cut.	J. Kenting I.C. L. Powell R.C.B.&C. Co		1
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Indiana av Inde: Byd	Hab A Of H	Ē	-	-			Ξ	-	April, 1865. Aug. 9, 1967	 3'5	4-15-1903	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	±ģ.	31750.30	3.55 V	Stone wks	McT'r'n&H'pn	_	City T.S. D.&
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Ly dia ave	Eighth	Ninth		-		£		-	Mar 31, 1867		2 Mar.81,190	500	3	050.50	38		Gravel Co	~	J. S. Chick, Nat. Sur. Co.
Lydin ave	iği H	Z7th					ŧ	=	Jan. 25, 11	3	2 Jan. 25, 140	1373	\$	OK ENST	ñ		A.J. Armstr'ng	- ,-	Su. Co. Phil.
Mulberry Eighth	Fighth	Ninth Forest ave					٤2	æ	Sept. 1, 1861	3ŝ		ž,	3,8	1043 70	15. 105.		G. K. White	-	BRWhit'y jr.
Montg'l av	K Hir K	三 ンフ エフ			: - ?		! # 1		Aug St. 1966	33		, F	<u> </u>	30	87		W. Hickman	=	
Varia Vinta	Name Sel				. –	•	. •	5		3		ž ž		1651	19 9		J. W. Drinkw	, A _	
lyh Vinth	Crand ave	7.7					£	٤		}	_	<u> </u>	별	00 0444	 ¥		Prop. Owners Kansas City	<u>r</u>	
Nunth	Mether						긔		•••	ì		£.1	₹.	\$5.8.0g	A 는	4.0		:=3	
Numth Penn ave Park ave	Prospect as P. C. Bit Rv. 27th	Prospect as P. C. Lun K.c. Bit Rv. 27th Cann fe as Reshest as		_			222	-	Dec. 7, 1468 Ang. 18, 1868 Ian 16, 1869	\$60 (803)		# 21 E	782	14976.97 7811.60	186	St Cross		 ئ	
Park ave	Park ave Tweffills Fre fills	ren r c Lim			7			. 2	Feb. 15, 199. June 11, 1980	_	2 Feb. 15, 97	17.7.1 F48	5 2	12765 (#)	52		J. O'Connor. J. M. Graham	2,2	McGonigal G. Adkins Keenan

Statement of Streets Paved with Macadam, Etc., at Close of Fiscal Year Ending April 18, 1898.—Continued.

Crashed Granite.	- Granite Granite	Gravel Gravel Gravel Limestone Screenings Crushed Limestone Berh Falls Berk Falls Berk Falls Gravel Limestone Bern Falls Miles Square S	6 6 Nov. 26, 1862 530 .13 1701.00 88 T. Brosnahan.	1892. 5; Oct. 12,90 640 .17 3578.00 1 081 1892. 1892. 18 1895.80 87 1898.	1692.60	6 64 Brk. Gut'rs K. C. M'c'm Co	Aug. 14, 1866 845, 15, 2151.90 8835 Brk. Gut'rs C	Nov. 2, 1893. 948, 19 (3907.00 621/5) J.	3 6 6 8 1845 1545 1545 15 18 1856 15 1856	8 Dec. 29, 1846 304 .05 853 70 1 00 Brk. Gut'rs	000	12 Mar. 6, 1803.	62 9-10 Prop. Owners	8 4 Dec. 29, 1866. 2 Dec. 29, 788 1428 27 4109.50 98 4-10 K.C.Bk.Gra. Co
		Granite.		T I	1		9	1 8					1	771

Statement of Streets Paved with Macadam in Annexed Territory at Close of Fiscal Year Ending April 18, 1898, at Noon.

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	ebra?	6,820.00	6,481.10	8,605.00	R. 377.30	5,530.00	8,004.00	6,456.00	00.767.080	4,977.00	23.013.00 4 25.013.00	00 063 00	6.496.00	21,288.00	4,984.00		10.800.00	6,816.00	7,286.00	5 881 (1)	55,706.00	4,076,00	1.280.00
-	labul.l Jobil	1,840.00	1,901.00	1,884.00	1,885.00	1,669 (10	2,151.00	1,739,00	9,022.(8)	2,150.00	3,452.00 254.00	6.055.00	2,436.00	4,551.00	1,246.00		8.65.9	1,895.00	1,809.00	3.002	10,445.00	920.00	30.00
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ation	Crushed Limestone Inches	Ε.	_			-	:							:									
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	bedem? Granite Redont	- 	-	-								•						- 7					
	<u>2</u>	Buth At	39th st	Cherry st. East City Limits	City Limits	McGee at	Oak st	Harb of	15th 4t	Westport ave	Winter ave	4 H	Fillmore 4	77	37th 4		7 -	7 435	7	77	7	Headway	Trinst ave
-	From	Math at	Ech .t	Main 4	Mainet	Wyandotte st	Broadway	Serb A		7 174	77	7.45	7 475	beth st	seh se	N line Lot 30,	Miner Park	7	7 = :	77		Main at	Harr son st
	Breet	· · ·	itee st		7 -	7	7 .		Stuff By S		17 17 17		- things on -		711.11	٠	7 7 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6		٠,	7			

Statement of Streets Paved with Macadam in Annexed Territory at Close of Fiscal Year Ending April 18, 1898, at Noon-Continued.

San the state of t		_														•	
Furn st		To		agnin sərəz	()ravel.	Servenings	Lime-tone	Limestone	Falls Lime-	()ravel.	Accepted.	Уевтв.	Expires.	Lineal Fect.	Square Yarth.	Cost per Square Yar	Contractor.
Fern st Feen	Broadway	State st			1		i	. –						4.718.00	18.852.00	i	
State 8t	نہ	Penn st					÷					<u> </u>		406.00	1,350.00	£	A. J. Armstron
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Coak st 1.564.00 6,875.00 6.5 A. J. W.v.shington st 1 15 2,840.00		Oak st	: :		-	-	6-15 6-15	: :						1,264.00	6.056.00	20	_
South ½ miles South ¾ miles South	:	Oak st	:_		:			1			:	-	1	1,564.00	6.876.00	:	<u> </u>
South ½ mile. St. john ave. St. john ave. Cive Limits St. john ave. Cive Limits St. john ave. St. john a	mite		:	:		-	3	:	:	:				00.00	1,840.00	3	÷
South 2 miles Woodland are Woodland are Woodland are Woodland are E. City Limits F. City Limits							*			. :	:			1.820.00	2.640.00		County.
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E. City Limits 15.840.00 17.840.00 11.890.00 11.890.00 11.890.00 10.800.00 10.800.00 10.800.00 10.800.00 10.800.00 10.800.00 11.784.00 11.784.00	ave	St. John ave	:	-	-	-	£	1	-			. :	:	2,640.00	11,734.00		County.
E Twelfth at the control of the cont	ave	E. City Limits			:		•						-	15,840.00	52, MID. 00		County
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. Jackson ave. 16,580.00 28,512.00 2		Cicvelana ave.		: : :		:	٠:	:						01.000.11	00.00	:	County.
S. City Limits 6 5 2,000.00 11,734.00 11,734.00 11,734.00 11,734.00	•.	Jackson ave	:			:		:	:	 :		1.		5,280.00 15,840.00	98 519 00	:	County.
(ridian ave 9,640.00 11,754.00	7	S City Limits	:	:			: ec		:	-		:	-	2 840 00	1 1 1	-	County.
	-	Indiana ave.					: *c		1					2,640.00	11,784.00		County.

Statement of Streets Paved with Cedar Blocks at Close of Fiscal Year Ending April 18, 1898, at Noon.

	Sureties	C. Ellison, J. B. Chio, J. Peall.	
:	Contractor	13 Jaicks & Robinson 25 Andrew Jaicks. 17 Geo. J. Baer. 17 J. B. Smith & Co. 18 Jaicks & Robinson 18 Jaicks & Robinson 19 J. B. Smith & Co. 19 J. Baer. 22 Geo. J. Baer. 22 Geo. J. Baer. 22 Geo. J. Baer. 23 Geo. J. Baer. 24 J. McHean 19 J. B. Smith & Co. 25 Geo. J. Baer. 26 Geo. J. Baer. 27 Geo. J. Baer. 28 Andrew Jaicks. 28 Jaicks. 29 Jaicks. 20 J. Baer. 21 J. B. Smith & Co. 22 Geo. J. Baer. 23 J. McGean & Co. 24 J. McGean & Co. 25 Geo. J. Baer. 26 J. Baer. 27 J. B. Smith & Co. 27 J. B. Smith & Co. 27 J. B. Smith & Co. 28 J. McGeon & Co. 29 J. Baer. 20 J. Baer. 20 J. Baer. 20 J. Baer. 21 J. B. Smith & Co. 21 J. Baer. 22 J. Baer. 23 J. Baer. 24 J. McGeon & Co. 25 J. Baer. 26 J. Baer. 26 J. Baer. 26 J. Baer. 27 J. Baer. 28 J. Baer. 28 J. Baer. 28 J. Baer. 29 J. Baer. 20 J. Baer. 21 J. Baer. 22 J. Baer. 23 J. Baer. 24 J. Baer. 25 J. Baer. 26 J. Baer. 26 J. Baer. 26 J. Baer. 27 J. Baer. 28 J. Baer. 28 J. Baer. 28 J. Baer. 29 J. Baer. 20 J. Baer. 21 J. Baer. 21 J. Baer. 22 J. Baer. 23 J. Baer. 24 J. Baer. 25 J. Baer. 26 J. Baer. 26 J. Baer. 27 J. Baer. 28 J. Baer. 28 J. Baer. 28 J. Baer. 29 J. Baer. 20 J. Baer. 21 J. Baer. 21 J. Baer. 22 J. Baer. 23 J. Baer. 24 J. Baer. 25 J. Baer. 26 J. Baer. 27 J. Baer. 28 J. Baer. 28 J. Baer. 28 J. Baer. 28 J. Baer. 29 J. Baer. 20 J. Baer. 21 J. Baer. 21 J. Baer. 21 J. Baer. 22 J. Baer. 23 J. Baer. 24 J. Baer. 25 J. Baer. 26 J. Baer. 27 J. Baer. 28 J. Baer. 29 J. Baer. 20 J. Baer. 21 J. Baer. 21 J. Baer. 21 J. Baer. 22 J. Baer. 23 J. Baer. 24 J. Baer. 25 J. Baer. 26 J. Baer. 27 J. Baer. 28 J. Baer. 28 J. Baer. 28 J. Baer. 28 J.	
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ı	Lineal Feet.	25. 12. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	
Maintenance.	.esviqzH	A A LEG 5. 1845	
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tion tion	Concrete.	20 332 2 CCC 3/	
Foundat	hase Inches. Itosud Redont		
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Statement of Streets Paved with Cedar Blocks at Close of Fiscal Year Ending April 18, 1898, at Noon.—Continued.

	Sureties.	jas, G. Glennon, jas, Lillis.	
	Contractor.	J. O'Donnell G. J. Baer J. B. Smith & Co. A. Jaicks B. A. Taylor G. J. Baer Ryan, Syper & Co. B. A. Taylor G. J. Baer J. B. Smith & Co. B. A. Taylor G. J. Baer J. B. Smith & Co. J. Backs A. Jaicks A. Ja	9
	Cost per sq yd.	\$44666664 \$4666666666666666666666666666	3
	Square Yards.	9481.09 1988.00 1988.00 1989.04 1989.0	
	Miles.	58881 2 3 321-17 4 8886188187	:
	Lineal Feet.	2008.00 2838.00 2838.00 2838.00 2637.00 2638.0	3
Maintenance.	Expires	May 5, 1899.	and other orders and
X	Years.	Market Control of the	1
	Accepted.	May 5, 1804 Dec. 12, 1889 Dec. 14, 1880 Dec. 14, 1880 Oct. 10, 1888 Oct. 10, 1888 Oct. 10, 1888 Oct. 11, 1887 Oct. 11, 1888 Oct. 12, 1889 Oct. 1889 Oct. 1881 Oct. 1881 Oct. 1881 Oct. 1881 Oct. 1888	day for fand
ati'ns	Concrete, Inches.	e '00 e '000 0 00 0	and the latest and th
Foundation Specification	Hoards, Inches		
<u>- s</u>	oT bass	State Line. Indiana ave Indiana ave S. W. Bouleved. Belt Line Ry Oak st. 100ft. N. of 8th. Eighteenth st. Holmes st. R. Louis ave Madison ave. Oak st. Prospect ave. Cleveland ave. S. W. Boulev'd. Ninth st. Tywelfth st. 20th st. Eighth st.	
	From	Ninth st. Norledge Pl. Walroud ave Indiana Pennsylva, ave Sixteenth st. Pennsylva, ave Sixteenth st. Sound Pe st. Sound Sixteenth st. Sixteenth st. Sixteenth st. Sixteenth st. Sound Sixteenth st. Sixth	THE PERSON NAMED IN CO.
i i	Street.	Ninth st. Norlegge Fl., Walrond aw, Oak st. Pennsylva, ave Sixteenth st. Sixth st. Sixth st. Tracy ave Tracy ave Tracy ave Tracy ave Tracy ave Sixth st. Tracy ave Tracy ave Sixth st. Sixth st. Tracy ave Sixth st. Sixth st. Sixth st. Tracy ave Sixth st. Ninth st. Sixth st. Sixth st. Ninth st. Ninth st. Ninth st. Sixth st. Sixth st. Ninth st. Sixth st. Sixth st. Ninth st. Sixth st. Sixth st. Sixth st. Sixth st. Ninth st. Sixth st.	

Statement of Streets Paved with Cedar Blocks at Close of Fiscal Year Ending April 18, 1898, At Noon.—Continued.

	Contractor.	Jaicks and Robinson. J. B. Smith & Co. D. J. and J. G. McBean. A. J. McBean & Co.		1,072,500.05 square yards. R22,606.80	
T. DIE	Cost pe	2844			
-	Square Vards.	778.00 1000 00 2816.00 2880.00	240HD4.75	53.02 miles.	13.78 miles.
· 9	.Polik	80.		.	:
i i	Lineal Feet.	\$48.00 380.00 718.00 800.00	73044 00	279,462 lineal feet. 246,648	: <u>=</u>
#	Accepted.	May 5, 1960 Nov. 1, 1960 Dec. 2, 1890 Sept. 24, 1689		279,462 206,408	- 13,044
- - -	Concrete, Inches.	e		•	
Foundat'n Spec.	Boards, Inches	` <u>`</u>		•	
Fo	Sand, Inches.	**-*		٠.	
	ot	E. e. Wild. Ct. Dora ave Bales ave Norledge Pl.		ent laid - taken up	Apr. 15, 186
	From	Woodland av Fine 4t Walrond ave St. John ave		Total cedar block pavement laid	:
1	Street	Woodland Ct Wabash ave Window ave Walrond ave	; ;	Total ced	:

NINTH ANNUAL REPORT

OF THE

SUPERINTENDENT OF STREETS,

For the Fiscal Year Ending April 18th, 1898.

To the Honorable Board of Public Works, Kansas City, Mo.

Gentlemen:—I herewith submit to you a report of the operation of the Street Department during the fiscal year ending April, 1898, showing by tabular statements the manner in which the amount allotted to this department by your honorable body was expended.

I shall endeavor to demonstrate to you and the taxpayers of Kansas City, by this report, that the Street Department has greatly reduced the expenditures during the past year, as compared with former years. The appropriation for this department was \$77,875.00, which is

\$16,100.00 less than in 1888, 17,500.00 less than in 1890, 9,700.00 less than in 1891, 7,000.00 less than in 1892, 7,700.00 less than in 1894, 8,700.00 less than in 1895;

While I have had

- 75 Miles more to clean than in 1889,
- 65 Miles more to clean than in 1890.
- 51 Miles more to clean than in 1891.
- 55 Miles more to clean than in 1892.
- 49 Miles more to clean than in 1893,
- 36 Miles more to clean than in 1894,
- 27 Miles more to clean than in 1895,
- 21 Miles more to clean than in 1896.

At the same time, I have maintained in fairly good condition the streets and alleys of Kansas City.

Kansas City has over 120 miles of paved streets and alleys, and to keep them in a healthy and clean condition requires a great deal of hard and continuous labor, and more so on account of so many intersecting streets yet being unpaved, thereby causing mud in wet and rainy weather to be carried up by wagons and teams from the dirt streets onto the paved streets, and it is impossible to accomplish all that is desired in the work of the Street Department. The constant tearing up of the street pavements for water, gas and sewer connections, and improper relaying of same, renders it impossible to keep them in good condition.

The permit ordinances regulating this matter are very unsatisfactory, and I earnestly recommend that the ordinance be revised and that the city take direct charge of refilling all excavations in the streets, performing the work by a force of experienced men; the work to be paid for by the city out of money deposited by the party to whom the permit shall be issued. In this way only can proper work be assured.

A year's trial has demonstrated beyond doubt, the practical assistance in keeping our streets clean, of the receptacles placed by the department in the various parts of the city to receive scraps of paper, banana peelings, etc., which were formerly thrown onto the sidewalks or into the streets, thereby endangering the life and limb of pedestrians.

That the request to use these receptacles has been quite generally complied with is shown by the number of times it has become necessary to empty them.

A more general co-operation on the part of the public with us in this plan is earnestly desired, and additional receptacles will be provided when necessary.

I would also urge the discontinuance of the sweeping of dirt from the stores on the sidewalks and into the gutters.

I would most respectfully recommend that distributing of hand-bills be in some way regulated and placed under proper restrictions. This practice has become a positive nuisance and it frequently happens that they are distributed on Saturday

afternoon after our cleaning gangs have been over the streets and left them in good condition.

It is very discouraging on Sunday morning, when the uncleanliness of the streets is so much more noticeable, to find the streets and gutters full of dirty paper.

I trust that some steps may be taken to remedy this evil.

Acknowledging my many obligations to your honorable board for the many courtesies and valuable assistance in the discharge of the duties of my department, in conclusion, I would respectfully suggest that the board be given an increased appropriation for the ensuing year that we may be better able to cope with the work devolving upon this department.

To all of them associated with me in this department, including all employees, I desire to extend my personal thanks for kind treatment and earnest assistance; especially to the workingmen who labored upon the streets, is due some credit for their successful showing for the year.

WALTER M. DAVIS, Superintendent Streets. THE THE STATE OF T

SUMMARY.

	PAY ROLL AND ACCOUNTS.	TOTALS.	TOTALS.
1897.	April 19 to 30, Pay Roll		
1897.	April 19 to 30, Bills Paid	128 81	\$2,749,67
1897.	May, Pay Roll	8.784.44	\$2,110,01
1897	May, Bills Paid	802.10	7,566.54
1897.	June, Pay Roll		1,000.01
1897.	June, Bills Paid	1.625.00	7.478.88
1897.	July, Pay Roll		1,110.00
1897.	July, Bills Paid	1.227.28	6,947.81
1897.	August, Pay Roll		0,0 20
1897.	August, Bills Paid		6,347.90
1897.	September, Pay Roll		.,
1897.	September, Bills Paid		7.017.82
1897.	October, Pay Roll.		
1897.	October, Bills Paid	299.64	6,034.00
1897.	November, Pay Roll		•
1897.	November, Bills Paid	772.17	6,313.50
1897.	December, Pay Roll	5,339.32	• • • • • • • • • • • • • • • • • • • •
1897.	December Bills Paid	810.36	6,149.68
1898.	January, Pay Roll	5,910,41	•
1898.	January, Bills Paid		6,301.12
1898.	February, Pay Roll		
1898.	February, Bills Paid	982.21	6,514.25
1898.	March, Pay Roll		
1898.	March, Bills Paid	463.70	6,461.22
1898.	April I to 18, Pay Roll	. 2,114.09	
1898.	April 1 to 18, Bills Paid	. 68.50	2,182.59
	Total		\$78,081.48

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Work Distributed on Streets.—Continued.

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Work Distributed on Streets.—Continued.

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Work Distributed on Streets.-Continued.

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Work Distributed on Streets.—Continued.

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Work Distributed on Streets.—Continued.

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WORK DISTRIBUTED ON ALLEYS.

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MISCELLANEOUS WORK.

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ANNUAL REPORT

OF

A. W. LOVE,

SUPERINTENDENT OF BUILDINGS.

For the Fiscal Year of 1897, Beginning April 19, Noon, 1897, and Ending April 18, Noon, 1898.

KANSAS CITY, Mo., April 18, 1898.

To the Honorable, the Board of Public Works, Kansas City, Mo.

GENTLEMEN: I beg to submit herewith a report of the operations of the Department of Buildings for the fiscal year 1897, beginning at noon on April 19th, 1897, and ending at noon April 18th, 1898.

I am pleased to state that the past year has been a particularly active one in building operations. Not since the "boom" years from 1885 to 1890 have the records shown so great an improvement. Delving a little into the reports of the office for the past five years, I find that the fiscal year just closed eclipses any of them. The fiscal year 1893 showed a total number of permits issued of 1363, at an estimated cost of \$998,746; fiscal year 1894, 1737, \$1,418,695; fiscal year 1895, 1773, \$1,601,800; fiscal year 1896, 1845. \$1,387,370; while for the fiscal year of 1897 there have been 2331 permits issued at a total estimated cost of \$2,001,310, exclusive of the amount issued by the City of Westport, prior to annexation to Kansas City last December, in the sum of \$250,000, and also not counting the large amount invested in new buildings in the territory which was contiguous to, but was not then a part of, either Kansas City or Westport, but which was included in the corporate limits of Kansas City at the recent extension of the city limits, and which may be safely approximated at \$1(0),000, making the immense aggregate of \$2,351,310 invested in building and building improvements within what is now the corporate limits of Kansas City during the past year. The total frontage of all the new buildings of which we have any record is 17,791 front feet, almost 3½ miles of solid buildings, reaching more than the distance from Main street to Porter Road. Permits were given for 48 brick business buildings covering 1630 feet front and costing \$204,100; brick residence buildings, 173 permits, 4628 feet frontage, costing \$497,600; 26 permits for various other brick buildings, making a total of 245 permits, 6990 front feet and costing \$787,600. In frame buildings the record is equally as good, showing as it does permits for 437 frame residences, 9579 front feet and costing \$716,400; 31 various other frame buildings making the total number of frame building permits 468, 10,801 front feet and costing \$775,300, but \$12,300 less than the amount expended for brick buildings.

What should be considered a very encouraging feature of this showing is the fact that more than four-fifths of the total number of permits issued has been for residences, which proves beyond cavil the vast expansion of our population, when it is considered that it is practically impossible to rent a desirable house in Kansas City, the hundreds of new and desirable houses being rented, in many cases before a beginning is made toward building them. The above is no "fairy tale," as hundreds of house hunters in this city will bear witness. Many of our prominent real estate dealers and substantial building contractors, who can command ready cash, have within the past year or two, invested very largely in residence property on which they have erected neat and modern dwellings, which they have readily disposed of to home buyers, with a good margin of profit, on a small cash payment, the balance to be paid in monthly installments. This plan I consider a splendid way in which to build up our city and make it a city of home owners. There will, however, always be a large per cent of our population who will continue renters, and I wish that I might impress so strongly upon the minds of our wealthy men who now claim that they are "land poor," on account of owning large tracts of vacant property throughout all sections of the city, upon which they receive no returns, except the natural increase in valuation, caused by their more progressive fellow-citizens, who improve other property all around them,—I say I wish I might impress the fact upon them that there is the richest field on earth in Kansas City for investment in modest and inexpensive residences, costing from \$600 to \$1,500, and which could readily be rented for from \$120 to \$300 per year, thus making a net profit to their owners of from five to eight per cent on the investment, over and above taxes, insurance, repairs, street and sidewalk improvements, etc. Suppose a man owns, say \$50,000 worth of vacant property in the city limits, upon which he has to pay taxes of various kinds-all is outlay and no revenue coming back to him. Would it not be a good, sensible, business proposition for him to sell off, say half of it, even if he did not receive "boom time" prices for it, and take the money thus received and improve the other \$250,000 worth by building comfortable homes thereon, which would always bring him in a steady stream of revenue from the moment they were ready for occupancy? I venture the assertion that if the above plan was adopted by our millionaire land owners, who call themselves land poor, that Kansas City would soon hear the last wail of "park knockers" and all other kind of "knockers," because, as a rule, when men have a golden stream flowing into their pockets, they do not ordinarily kick on an expenditure of a few hundred dollars for needed public improvements. I simply throw this out as a suggestion and believe it would be the best thing that ever happened to Kansas City, as well as to our rich land owners, if it was at once acted upon.

During the fiscal year just closed, I have to report that the new work house, for which our city has long been in need, has been fully completed and equipped with every modern convenience, at a cost of \$25,700. I do not healtate to affirm that there is not a city prison in the country costing the same or less money, that approaches it in every detail. The style of archi-

tecture is unique and imposing. The arrangements for light, heat, ventilation and bath service are all that could be asked. Nothing has been left undone that could add to the comfort, health, safety and convenience of the inmates and attendants. In the laundry department at the work house, there should be a drying room added, some modern laundry machinery should be installed, and some additional tubs provided. All of the immense laundry business of the city hospital is done at the work house, as well as the work house laundry itself, by the prisoners, and proper facilities should at once be added for this purpose, costing, perhaps, \$1,500. There are several horses, the property of the city, required in the transaction of the business of the work house. Proper stable accommodations are not now afforded for them, and I would therefore recommend the erection, the coming summer, if possible, of a stone barn, costing not to exceed \$3,000. With the improvements above noted, everything about the work house premises will be in complete shape.

During the past year a clinic addition, or operating room, was constructed at the City Hospital at a cost of \$4,000. It is conceded by practical surgeons to be one of the best of its kind in the West, and it was an improvement which was very badly needed. The leading demonstrators of surgery, composing the faculties of the various medical colleges in the city, each use one day in every week, from September to March, in each year, in this new clinic, to practically demonstrate scientific surgery, before large classes of their students, for whom comfortable seats are arranged in tiers, so that all may see and hear all that is said and done. Partial, but very essential, and somewhat in the nature of temporary, repairs were made in the old part of the hospital building, which cost \$3,000. It had been intended to thoroughly overhaul and remodel the old building, but sufficient funds were not available the past year, so that nothing was done except what was absolutely necessary. I would recommend an appropriation of \$10,000, expending so much thereof as may be necessary to thoroughly remodel and overhaul the old building, of which it is very badly in need. It should be thoroughly modernized and put in keeping with the new part built in 1895 and 1896. Even with the new addition just referred to, the City Hospital is becoming sadly overtaxed, many worthy charity cases being turned away for lack of room, that should be properly taken care of. Still another new addition to cost \$15,000 to \$18,000 is imperatively required, which would give additional room for from 75 to 100 more beds. The City Council, by a joint resolution recently passed, has directed me to prepare plans and estimates for this addition, and I expect soon to have the plans and estimates ready for inspection. This new addition is badly needed, and I trust that funds will be forthcoming for its construction. When the first addition was being contemplated the joint financial committees of the Common Council, the City Physician and myself went before the County Court and requested aid in its construction, for the reason that a very large number of the patients cared for at the City Hospital should be, and are properly, charges upon the county, and we thought and still think it no more than just and right that the county should pay at least its proper share of the cost of building and equipping the new addition to the City Hospital, even if it did not contribute toward the care and maintenance of the patients therein. The Honorable County Court promised to take the matter under advisement and that is the last ever heard from it. It might be well enough to pay the court a second visit and say "that now that a second addition is necessary in order to properly care for the many county charges we trust they will 'advise' the setting aside of a handsome appropriation towards assisting in paying for it."

In my report for the fiscal year 1896, I made use of the following language, which I will now quote: "Steps have recently been taken by a joint committee of the Common Council looking to the betterment of the condition of the City Market House. Under their direction I have recently prepared plans and estimates, which, if properly carried out, will make a decided change for the better and at the same time add largely to the city's revenue from that source. Better City Market House conditions is one of the crying needs of the city. I am also favorable to the plan of heating the City Market House with steam from the City Hall plant, as is now done in furnishing it electric light, and I believe the project could be successfully carried out without very great additional expense to the city. The Market House should by all means be improved in order that the city could rent its space to a more desirable class of tenants, many of whom will not come there under present conditions. Let us have an improved Market House as well as a new Work House and City Hospital." Nothing has been done along the line of the above recommendations the past year and I would therefore again urge that this important and very much needed improvement be at once made, as the increased revenue would very soon pay for the entire outlay necessary for that purpose. The alley between the City Hall and Market House is also in a deplorable condition and should be paved with asphalt very soon.

Regarding the operations of the anti-smoke ordinance, for the enforcement of which this department, in connection with the Police Department is responsible, I will state that I find that it is one of the most complex and intricate problems with which any city has ever had to contend. Many other cities in different sections of the country have been wrestling with the smoke abatement problem for many months, and some of them for years; and whilst many cities have succeeded, in a manuer, in abating the smoke nuisance, none have been more successful than Kansas City, but the question of complete smoke abatement is as yet one of the great unsolved problems. After we got our City Hall smoke abatement device in successful operation, so that we were not ashamed to let the owners of the other smoke-making chimneys in the city'look at them. I sent out several hundred notices to the owners and operators of the various smoke-making chimneys throughout the city, directing that immediate steps be taken toward complying with the ordinance abating smoke. Many people at once began the use of what is known as Semi-Anthracite or Smokeless Coal, others put in various smoke-consuming devices, some of which consume smoke, and some of which do not. There are a few devices on the market which will do the work reasonably well. Others, which will do good work on one boiler, will prove a failure on some other boiler of perhaps the same make. Some will work all right in St. Louis or Chicago and prove a flat failure in Kansas City, and vice versa. We are now using on the boilers of the City Hall plant what, after numerous trials of others, has so far proven to be the best and least expensive, but which will only do good work when placed on boilers which are not required to do exceedingly heavy work. The use of semi-anthracite coal, with a good draught, well cleaned smoke-stack and careful firing by he person in charge, must be considered a reasonable compliance with the ordinance, as with proper care the minimum amount of smoke is emitted. By the exercise of due diligence on the part of my own and the Police Department, and a proper degree of patience by our long-suffering and smokebegrimed citizens, we hope soon to finally unravel the whole problem so that the blue sky will be visible on a clear day in all parts of Kansas City. We shall at least keep on trying so long as the ordinance is unrepealed, and we sincerely hope that will never happen.

The new Building Ordinance, which is now a part of the new revised ordinances of Kansas City, is a very great improvement over the old ordinance under which we had heretofore been working, and which was conflicting, ambiguous and lame in many respects. I gave diligent study and care in the drafting of the new ordinance and believe that it is about as good as the Building Ordinance of any city in the country.

By a reference to that part of my report showing notices served on account of unsafe structures, it will be noticed that the department has not been idle along that line, as 253 official notices of various kinds were served, 27 buildings being condemned and ordered torn down, and 57 buildings ordered repaired and put in safe condition.

By the recent extension of the city limits, the territory of Kansas City was just about doubled. In order to properly cover this great increase in territory and at the same time look carefully after the great and growing building business throughout all sections of the city, it will be absolutely necessary that the department be supplied with three additional Inspectors, one, whose duty it shall be to give his entire time and attention to the proper enforcement of the anti-smoke ordinance, and the other two to properly cover the large annexed territory. At the proper time I shall ask your honorable body to recommend for favorable consideration by the Common Council an ordinance embodying this recommendation.

Many changes will soon be necessary in the interior arrangement of the City Hall in order to properly take care of the large and growing business of the different departments. I think that every department of the municipal government, including the Board of Election Commissioners, should, if possible, be kept in the City Hall, and it may become necessary, in the near future, in some manner yet to be decided upon, to enlarge the office floor space in the City Hall building by additions or otherwise.

By reference to the subjoined tables the work in detail of the department for the year will be noted:

Building Permits Issued as Follows by Months:

APRIL 19, NOON, TO APRIL 80, 1897.

No. of Permits.	Kind of Building.	Front Feet.	Estimated Cost.	Pees.
1	Brick business	20	\$400 00	\$ 50
Ī	Brick residence	170	26000 00	18 8
72	Prame residence	158	8400-00 14840-00	4 25 38 2
87	Totals	848	\$49140 00	\$56.88
	MONTH OF	MAY, 1897.		
No. of Permits.	Kind of Building.	Front Feet.	Estimated Cost.	Fees.
30	Brick residence	556	\$44600 00	\$22 8
i	Brick barn	24	1000 00	5
1 20	Brick blacksmith shop. Frame residence	14 224	900 00 56300 00	5/ 28/6/
1	Frame warehouse.	50	1000 00	20 TH
168	Miscellaneous permits	•••	60770 00	106 9
216	Totals	868	\$182870 00	\$158 8
	MONTH OF	JUNE, 1897.		:
No. of Permits.	Kind of Building.	Front Feet.	Estimated Cost.	Fees.
3 .	Brick business	84	\$7200 00	\$4 0
13	Brick residence	• 371	80400 00	16 2
1	Brick church.	40	3 000 00	1 5
**	Frame residence	223	42600 00	21 7
1 106	Frame barn . Miscellaneous.	50	1600 00 20570 00	54 Q
			\$105370 00	
148	Totals	76H	\$102910.00	\$148 BH
148	Totals MONTH OF		\$100010 00	\$148 M
			Estimated Cost	Fees.
	MONTH OF	JULY, 1897.		Fees.
No. of Permits.	MONTH OF Kind of Building Brick business Brick residence	JULY, 1897. Front Feet. 175	Estimated Cost. \$128m) 00 357(0 0)	Fees. \$ 6 U
No. of Permits.	MONTH OF Kind of Building. Brick business Brick residence Brick barn	JULY, 1897. Front Feet. 175 294 58	Estimated Cost. \$125(0) (0) (257(0) (0) (35(0) (0)	Fees. \$ 6 0 18 4 2 0
No. of Permits.	MONTH OF Kind of Building. Brick business Brick residence Brick barn Brick warehouse	JULY, 1897. Front Feet. 175 294 56 65	Estimated Cost. \$1580 00 357(0 0) 3800 (0) 900 (0)	Fees. \$ 6 0 18 4 2 0 4 0
No. of Permits. 8 11 2 1	MONTH OF Kind of Building. Brick business Brick residence Brick barn Brick warehouse Brick office.	JULY, 1897. Front Feet. 175 294 56 65	Estimated Cost. \$1200 00 35700 00 3500 00 900 00 1000 00	Fees. \$ 6 0 18 4 2 0 4 0
No. of Permits. 8 11 2 1 1 30	MONTH OF Kind of Building. Brick business Brick residence Brick barn Brick warchouse Brick office. Frame residence.	JULY, 1897. Front Feet. 175 294 56 65 30 699	Estimated Cost. \$1280 00 357(0) (0) 3500 (0) 9600 (0) 1000 (0) 4400 (0)	Fees. \$ 6 0 18 4 2 0 4 0 5
No. of Permits. 8 11 2 1	MONTH OF Kind of Building. Brick business Brick residence Brick barn Brick warehouse Brick office. Frame residence.	JULY, 1897. Front Feet. 175 294 56 65	Estimated Cost. \$1200 00 35700 00 3500 00 900 00 1000 00	Fees. \$ 6 00 18 40 2 00 4 00 26 00
No. of Permits. 8 11 2 1 1 30	MONTH OF Kind of Building. Brick business Brick residence Brick barn Brick warchouse Brick office. Frame residence.	JULY, 1897. Front Feet. 175 294 56 65 30 669 18	Estimated Cost. \$12500 00 35700 00 3580 00 9000 00 1000 00 \$9000 00	Fees. \$ 6 00 16 44 2 00 4 00 56 26 00
No. of Permits. 8 11 2 1 1 30 1	MONTH OF Kind of Building. Brick business Brick residence Brick barn Brick warehouse Brick office. Frame barn Frame barn	JULY, 1897. Front Feet. 175 294 56 65 30 669 18	Estimated Cost. \$128.00 00 357(10 on) 3590 (0) 4900 (0) 1000 (0) 1400 (0) 300 (0) 400	Fees. \$ 6 00 18 40 2 00 4 00 56 56 56 57 58
No. of Permits. 8 11 2 1 1 80 1 1 125	MONTH OF Kind of Building. Brick business Brick residence Brick barn Brick warchouse Brick office. Frame residence. Frame barn Frame warchouse Miscellaneous permits	JULY, 1847. Front Feet. 175 294 56 65 60 909 18 40	Estimated Cost. \$120m 00 35700 00 35700 00 3500 00 1000 00 4900 00 4900 00 400 00 300 00 400 00	Fees. \$ 6 0 18 4 2 0 4 0 56 26 6 57 78 56
No. of Permits. 8 11 2 1 1 1 1 11 11 11 11 11 11 11 11 11	MONTH OF Kind of Building. Brick business Brick residence Brick barn Brick office. Frame barn Frame barn Frame barn Frame barn Totals MONTH OF A	JULY, 1847. Front Feet. 175 294 56 65 30 669 18 40 1317 UGUST, 1867.	Estimated Cost. \$12800 00 357(0) 00 3590 (0) 4900 (0) 1000 (0) 1400 (0) 300 (0) 400 (0) \$100 (0) \$100 (0) \$114410 (0)	Fees. \$ 6 00 18 8 20 00 4 00 55 00 578 55 \$100 50
No. of Permits. 8 11 2 1 1 1 1 11 11 11 11 11 11 11 11 11	MONTH OF Kind of Building. Brick business Brick residence Brick barn Brick warehouse Brick office. Frame barn Frame warehouse Miscellaneous permits Totals MONTH OF A	JULY, 1847. Front Feet. 175 294 56 65 30 609 18 40 1317 UGUST, 1807.	Estimated Cost. \$120.00 357(0) (0) 359(0) (0) 359(0) (0) 10(0) (0) 40(0) (0) 40(0) (0) 40(0) (0) \$20(0) \$144150 (0) Estimated Cost	Fees. \$ 6 0 18 4 2 0 4 0 5 5 78 5 \$108 5
No. of Permits. 8 11 2 1 1 80 1 1 185 186	MONTH OF Kind of Building Brick basiness Brick residence Brick barn Brick warchouse Brick office. Frame residence. Frame barn Frame warchouse Miscellaneous permits Totals MONTH OF A Kind of Building Brick business	JULY, 1897. Front Feet. 175 294 56 63 699 18 40 1317 UGUST, 1897. Front Feet 117	Estimated Cost. \$1200 00 35700 00 35700 00 35700 00 1000 00 49000 00 49000 00 380 00 400 00 \$5280 00 \$144180 00	Fees. \$ 6 00 18 86 20 00 4 00 55 00 55 100 5100 Fees. \$12 10
No. of Permits. 8 11 2 1 1 80 1 1 125 185 No. of Permits. 8 11	MONTH OF Kind of Building. Brick business Brick residence Brick barn Brick warehouse Hrick office. Frame barn Frame warehouse Miscellaneous permits Totals MONTH OF A Kind of Building Brick business Brick residence	JULY, 1847. Front Feet. 175 294 56 65 30 669 18 40 1347 UGUST, 1867. Front Feet 117 300	Estimated Cost. \$1280 00 35700 00 3590 00 3690 00 1000 00 1000 00 400 00 35280 00 \$144180 00 Estimated Cost \$24000 00 3140 00	Fees. \$ 6 0 18 8 20 0 4 0 50 578 5 \$100 5
No. of Permits. 1	MONTH OF Kind of Building. Brick business Brick residence Brick barn Brick warehouse Brick office. Frame barn Frame warehouse Miscellaneous permits Totals MONTH OF A Kind of Building Brick business Brick business Brick barn	JULY, 1897. Front Feet. 175 294 56 65 30 609 18 40 1317 UGUST, 1897. Front Feet 117 300 16	Estimated Cost. \$1288) 00 35700 (0) 3590 (0) 3690 (0) 1090 (0) 4000 (0) 400 (0) \$300 (0) \$5280 (0) \$144150 (0) Estimated Cost \$2400 (0) 400 (0) 400 (0)	Fees. \$ 6 0 20 4 0 4 0 5 0 5 5 5 10 5 5 5 10 5 5 5 10 5 7 5 5 10 5 7 5 7 5 7 5 7 5 7 7 5 7 7 7 7 7 7 7
No. of Permits. 8 11 2 1 1 80 1 1 125 185 No. of Permits. 8 11	MONTH OF Kind of Building. Brick business Brick residence Brick barn Brick warehouse Hrick office. Frame barn Frame warehouse Miscellaneous permits Totals MONTH OF A Kind of Building Brick business Brick residence	JULY, 1847. Front Feet. 175 294 56 65 60 609 18 40 1317 UGUST, 1807. Front Feet 117 200 169 169	Estimated Cost. \$1280 00 35700 00 3590 00 3690 00 1000 00 1000 00 400 00 35280 00 \$144180 00 Estimated Cost \$24000 00 3140 00	Fees. \$ 6 0 18 8 20 4 0 4 0 5 50 78 5 \$100 5
No. of Permits. 1	MONTH OF Kind of Building Brick basiness Brick residence Brick barn Brick warehouse Brick office. Frame residence. Frame barn Frame warehouse Miscellaneous permits Totals MONTH OF A Kind of Building Brick business Brick residence Brick barn Brick warket house Frame residence. Frame residence. Frame residence.	JULY, 1897. Front Feet. 175 294 56 65 30 609 18 40 1317 UGUST, 1897. Front Feet 117 300 16	Estimated Cost. \$1200 00 35700 00 35700 00 35700 00 35700 00 1000 00 4900 00 300 00 4900 00 35280 00 \$144180 00 Estimated Cost \$24000 00 400 00 400 00 5144180 00 Figure 10 5140 00 500 00 500 00 500 00 500 00 500 00 500 00 500 00 500 00 500 00 500 00 500 00 500 00 500 00 500 00 500 00 500 00	Fees. \$ 6 0 4 0 4 0 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
No. of Permits. \$ 11	MONTH OF Kind of Building. Brick business Brick residence Brick barn Brick office. Frame barn Frame warehouse Miscellaneous permits Totals MONTH OF A Kind of Building Brick business Brick residence Brick barn Brick market house Frame residence Brick market house Frame residence Frame residence Frame residence	JULY, 1847. Front Feet. 175 294 56 65 30 689 18 40 1317 UGUST, 1867. Front Feet 117 300 16 594 770	Estimated Cost. \$120.00 357(0) (0) 357(0) (0) 359(0) (0) 49(0) (0) 49(0) (0) 49(0) (0) 49(0) (0) 49(0) (0) 49(0) (0) 49(0) (0) 49(0) (0) \$144180 (0) Estimated Cost \$240(0) (0) 40(0) 40(0) 534(0) (0) 534(0) (0) 534(0) (0)	Fees. \$ 6 00 18 4 20 00 4 00 56 66 57 56 \$100 56

104 ANNUAL REPORT OF THE BOARD OF PUBLIC WORKS.

Building Permits Issued as Follows by Months:-Continued.

MONTH OF SEPTEMBER, 1807.

No. of Permits.	Kind of Building.	Front Feet.	Estimated Cost.	Fees.	
4	Brick business	102	\$14600 00	5 7	
19	Brick residence	468	54 8 00 00	27	1
1	Brick barn	24	1600 00		8
2	Brick church	188	30200 00	15	1
1	Brick boiler house	20	1200 00	_	ě
ī	Brick work shop	20	200 00		5
48	Frame residence	950	46500 OU	20	
ĩ	Frame church	32	2000 00	7	Ü
ī	Frame warehouse	60	5000 00	Ģ	š
i	Frame flouring mill	60	2500 00	- 7	3
i	Frame coke house	ãž	1600 00	•	ä
203	Miscellaneous permits	•	53000 00	106	
278	Totals	1906	\$212790 (a)	\$196	-

MONTH OF OCTOBER, 1897.

			- · - ·	
No. of Permits.	Kind of Building.	Front Feet.	Estimated Cost.	Fees.
7	Brick business	384	90 00£8 52	\$12 3 5
16	Brick residence	300	43000 00	21 86
1	Brick barn	. 15	100 00	50
1	Brick laundry	:0	\$400 (II)	170
1	Frame business	18	400 OU	50
27	Frame residence	615	₩100 U0	21 (0)
1	Frame barn	16	200 00	50
1	Frame church.	20	30 0 (°0	50
164	Miscellaneous permits		36630 00	145 30
	•			
119	Totals	1417	\$147220 00	\$145 10

MONTH OF NOVEMBER, 1897.

No. of Permits.	Kind of Building.	Front Feet.	Estimated Cost.	Fees.	
2	Brick business	72	965 00 (N)	5325	
20	Brick residence	523	50700 00	29 16	
3	Frame business	54	1700 00	1 50	
32	Frame residence	752	52800 00	25 60	
1	Frame church	42	300 0 (II)	1 50	
126	Miscellaneous permits		45240 00	75 UD	
181	Totals	1443	\$198940 00	\$187 70	

MONTH OF DECEMBER, 1997.

	•	- ·			
No of Permits	Kind of Building	Front Feet.	Estimated Cost.	Feen	
	Brick business	185	\$55300 (0)	27 65	
¥	Brick residence	234	W700 00	14 90	
30	Frame residence	71%	51 30 0 00	** **	
1	Frame barn	14	200 00	åø	
19	Miscellaneous permits		10240 00	26 16	
					
1416	Total-	1144	\$14 0 840 OU	\$100 Z	

Building Permits Issued as Follows by Months: - Continued. MONTH OF JANUARY, 1808.

No. of Permits.	Kind of Building.	Front Feet.	Estimated Cost.	Pees.
5	Brick business	182	\$8700_00	\$4 75
8	Brick residence	273	81500 00	20 75
1	Brick boiler house	18	800 00	50
ī	Frame business	50	900 00	50
28	Frame residence.	727	57100 00	29 20
ĩ	Frame work house	90	2000 00	1 00
ī	Frame grain elevator	42	10000 00	5 00
66	Miscellaneous permits		28689 00	85 25
111	Totals	1882	\$189680 00	\$96 95

MONTH OF FEBRUARY, 1898.

No. of Permits.	Kind of Building.	Front Feet.	Estimated Cost.	Fees.
6	Brick business	169	\$18000_00	59 2
6	Brick residence	158	18800 00	6 7
1	Brick barn	42	1700 00	1 2
47	Frame residence	1010	68900 00	85 2
2	Frame barn	200	16700 00	8 8
ī	Frame office	20	1000 00	5
83	Miscellaneous permits		22460 00	44 8
146	Totals	1599	\$187060 00	\$106.7

MONTH OF MARCH, 1898.

No. of Permits.	Kind of Building.	Front Feet.	Estimated	Cost.	Fees.
5	Brick business	118	\$8700	00	\$3.78
16	Brick residence	501	56900	00	28 54
8	Brick barn	51	1800	00	1.54
i	Frame business	24	1000	(0)	56
64	Frame residence	1805	127000	00	68 ()
1	Frame barn.	20	600	00	50
1	Frame church	24	1000	00	50
ī	Frame planing mill	80	1000		50
ī	Frame blacksmith shop.	50	1200		60
ī	Frame ice house	48	1000		50
215	Miscellaneous permits		47870		111 9
819	Totals	2671	\$245870	00	\$216.90

APRIL 1, TO NOON APRIL 18, 1898.

No. of Permits.	Kind of Building.	Front Feet.	Estimated Cost.	Fees.	
4	Brick business	142	\$25500 00	\$12	75
7	Brick residence	179	21500 00	10	75
i	Brick warehouse.	26	1500 00		75
ī	Brick Salvation Army B'ks.	50	11000 00		50
ī	Brick ice plant	64	8000 00		50
ī	Brick wash house.	45	4000 00		00
ī	Brick work shop	25	1200 00		60
i	Frame business.	25	1000 00		50
48	Frame residence	967	674(N) (N)		60
ī	Frame barn	16	800 00		50
118	Miscellaneous permits	••	88010 00		50
179	Totals	1589	\$169410 00	\$134	P5

Building Permits Issued as Follows by Months:-Continued.

MONTH OF SEPTEMBER, 1897.

No. of Permits.	Kind of Building.	Front Feet.	Estimated Cost.	Fees.
4	Brick business	102	\$14600 00	\$ 7 7
19	Brick residence	468	54800 00	27 1
1	Brick barn	24	1600 00	
2	Brick church	188	80200 00	15 1
1	Brick boiler house	20	1200 00	- (
1	Brick work shop	20	200 00	
48	Frame residence	950	46500 00	29 1
ī	Frame church	32	2000 00	10
ī	Frame warehouse	60	5000 00	2 1
ī	Frame flouring mill	60	2500 00	īš
ī	Frame coke house	82	1600 00	- 8
203	Miscellaneous permits		59090 00	109
278	Totals	1906	\$212790 00	\$196 (

MONTH OF OCTOBER, 1897.

No. of Permits.	Kind of Building.	Front Feet.	Estimated	Cost.	Fees.	
7	Brick business	884	\$2 5200	00	\$12	85
16	Brick residence	399	42600	00	21	85
1	Brick barn	15	100	00		50
ī	Brick laundry	50	8400	00	1	70
ī	Frame business	18	400	00		50
27	Frame residence	615	88100	ÜÜ	21	00
i	Frame baru		300	00		50
ī	Frame church	20	900	(io		50
164	Miscellaneous permits		86820	00	86	20
219	Totals	1417	\$147:220	00	\$145	10

MONTH OF NOVEMBER, 1897.

No. of Permits.	Kind of Building.	Front Feet.	Estimated Cost.	Fees.
2 20 8 32 1 123	Brick business. Brick residence. Frame business. Frame church. Miscellaneous permits.	72 528 54 752 42	\$6500 00 59700 00 1700 00 52900 00 8000 00 45240 00	\$ 8 25 29 85 1 50 26 60 1 50 75 00
181	Totals	1448	\$168940 00	\$187 70

MONTH OF DECEMBER, 1897.

No. of Permits.	Kind of Building.	Front Feet.	Estimated Cost.	Fees.
4 9 80 1 49	Brick business Brick residence Frame residence Frame barn Miscellaneous permits	185 286 709 16	\$55800 00 29700 00 51800 00 300 00 10240 00	\$27 65 14 90 26 85 50 86 85
93	Totals	1146	\$146840 00	\$106 25

Building Permits Issued as Follows by Months: - Continued.

MONTH	OF	IANUARY.	1808

Kind of Building.	Front Feet.	Estimated C	ost.	Pees.	
Brick business	182	\$8700.00)	SI	75
Brick residence.	278	81500 00)	20	75
Brick boiler house	18	800 00)		50
					50
		57100 00)	29	20
					00
					00
Miscellaneous permits					25
Totals	1882	\$189680 00	,	\$96	95
	Brick business Brick residence. Brick boiler house Frame business Frame residence. Frame work house Frame grain elevator. Miscellaneous permits.	Brick business 182 Brick residence 278 Brick boiler house 18 Frame business 50 Frame residence 727 Frame work house 90 Frame grain elevator 42 Miscellaneous permits	Brick business 182 \$8700 00 Brick residence 278 \$1500 00 Brick boiler house 18 \$00 00 Prame business 50 900 00 Frame residence 727 57100 00 Prame work house 90 2000 00 Prame grain elevator 42 10000 00 Miscellaneous permits 29840 00	Brick business 132 \$8700 00 Brick residence 278 31500 00 Brick boiler house 18 800 00 Prame business 50 900 00 Frame residence 727 57100 00 Frame work house 90 2000 00 Prame grain elevator 42 10000 00 Miscellaneous permits 28640 00	Brick business 182 \$700 00 \$1 Brick residence 278 \$1500 00 20 Brick boiler house 18 800 00 20 Prame business 50 900 00 50 Frame residence 727 57100 00 29 Frame work house 90 9000 00 1 Prame grain elevator 42 1000 00 5 Miscellaneous permits 28640 00 35

MONTH OF FEBRUARY, 1898.

No. of Permits.	Kind of Building.	Front Feet.	Estimated Cost.	Fees.
6	Brick business	169	\$19000.00	59 2
ń	Brick residence	158	13900 00	6 7
1	Brick barn	12	1700 00	1 25
47	Frame residence	1010	68900 00	85 25
•	Frame barn.	200	16700 00	8 8
ī	Frame office	20	1000 00	54
83	Miscellaneous permits		22460 00	44 82
146	Totals	1599	\$187060 00	\$106.70

MONTH OF MARCH, 1808.

No. of Permits.	Kind of Building.	Front Feet.	Estimated (Cost.	Fees.
8	Brick business	118	\$670 0 0	N)	SR 7
16	Brick residence	501	54900 (00	28 5
1	Brick barn	. 51	1800 0)()(1 5
ī	Frame business	24	1000 0	M)	5
64	Frame residence.	1406	127(00) (H)	6 8 0
1	Frame barn.	20	600.0	M)	ភ
i	Frame church	24	linn) (M)	5
ī	Frame planing mill	80	1000 0	H)	ត
i	Frame blacksmith shop	50	1200 (#)	6
ī	Frame ice house	48	1000 (X)	5
215	Miscellaneous permits.		47670 (H)	111 9
319	Totals	2471	\$345870 (H)	\$216 9

APRIL 1, TO NOON APRIL 18, 1968.

.__ - - - - - - - -

No. of Permits.	Kind of Building	Front Feet.	Estimated Cost	Fees
4	Brick business	142	\$255(B) (B)	\$12.75
7	Brick residence	179	215(0) (0)	10 75
1	Brick warehouse.	26	1500-00	75
ī	Brick Salvation Army B'ks.	50	11(mm) (m)	8 (d)
1	Brick ice plant	64	20cm (c) (m)	1 50
ī	Brick wash house.	45	4(##) (#)	2 (0)
1	Brick work shop.	:51	1200 (0)	(A)
i	Frame business.	25	James (R)	50
48	Frame residence	967	674(#) (#)	26 60
1	Frame barn	16	Sort (n)	50
118	Miscellaneous permits		28010 (n)	All Sai
170	Totals.	1530	\$166410 (4)	\$134 K

106 ANNUAL REPORT OF THE BOARD OF PUBLIC WORKS.

Summary for the Year by Months:

No. of		Front	Estimated	
Permits.	Month≰.	Feet.	Cost.	Fees
87	April 19th, noon, to April 30th, 1897	348	\$ 49140 00	\$ 56 82
216	May, 1597.	888	182870 00	158 80
148	June, 1897	76K	105370 00	98 30
185	July, 1897	1347	144189 00	136 50
169	August, 1897	1407	151940 00	126 90
278	September, 1897	19rms	212790 00	196 0
219	October, 1897	1417	147220 00	145 10
181	November, 1897	1448	168940 00	187 70
93	December, 1897	1116	146810 00	108 28
111	January, 1898	1332	139680 00	96.96
146	February, 1838	1599	137060 00	105 70
319	March, 1838	2671	245870 00	216 90
179	April 1st, noon, to April 18th, 1898	1530	169410 00	184 9
2831	Totals	17791	\$2001810 00	\$1716 96

Classified Summary of Brick Buildings.

No. of		Front	Estimated	
Permits.	Kind of Building.	Feet.	Cost.	Fees
46	Brick business	1630	\$ 204100 00	\$ 104 00
173	Brick residence	4628	497600 00	247 64
10	Brick barn	22M	10100 00	7 10
8	Brick church	178	38200 00	16 60
2	Brick warehouse	91	9500 00	4 75
2	Brick boiler house	38	2000 00	1 10
2	Brick work shop	45	1400 00	1 10
1	Brick office	30	1000 - 00	56
1 .	Brick market house	99	7000 00	8 50
1	Brick laundry	50	3400 00	1 70
1	Brick blacksmith shop	11	200 00	50
1	Brick ice plant	64	8000 00	1 50
1	Brick Salvation Army Barracks	50	11000 00	5 50
1	Brick wash house	45	4000 00	2 00
245	Totals	6990	\$787600.00	\$307 42

Classified Summary of Frame Buildings.

No. of Permits.	Kind of Building.	Front Feet.	E-timated	
reimits.			Cost.	Fees.
7	Frame business	171	\$ 5000 00	\$ 8 50
437	Frame residence	9579	716400 UO	882 41
8	Frame barn	3336	20100 00	11 66
1	Frame church	118	6800 00	8 50
4	Frame warehouse	240	8400 00	4 50
2	Frame blacksmith shop	125	2000 00	1 10
1	Frame office	20	1000 00	50
1	Frame flouring mill	(50)	2500 00	1 25
1	Frame grain elevator	42	10000 00	5 00
1	Frame coke house	32	1600 00	81
1	Frame planing mill	:30)	1000 00	50
1	Frame ice house	48	1000 00	. 60
468	Totals	10801	\$775300 00	\$415 25

Summary of Miscellaneous Permits by Months:

No. of Permits.	Months.	Estimated Cost.	Fees.
72	April 19th, noon, to April 80, 1807	\$11340 (II)	\$ 88 2
163	May, 1897	60770-00	105 90
108	June, 1897	20570 00	54 Of
135	July, 1897.	35290 00	78 64
119	August, 1897	30240 00	68 7
214	September, 1897	53000 00	110 7
164	October, 1807	36820 00	86 38
123	November, 1897	45240 00	75 00
49	December, 1897	10240 00	86 86
GR	January, 1888	28090 00	36 3
48	February, 1888	22160 (0)	44 85
215	March, 1884	47670 00	111 90
115	April 1st to noon April 18, 1808	83010 00	63 54
1615	Totals	\$438410 00	SV01 2

General Summary for the Year:

No of Permits.	Kind of Building.	Front Feet.	Estimated Cost.	Fees.
265 466 1618	Brick Building Frame building Miscellaneous permits	6(90) 1090]	\$787600 00 775200 00 438410 00	\$347 45 415 25 904 25
201	Grand Total for Year	17791	\$2001310 00	\$1716 96

Statement Showing Receipts for Money Deposited With the City Treasurer:

Date.	Amount.	Date.	Amount.	Date.	Amount
April 80, 1897	\$56.55	Sept 9, 1897	\$37.60	January 20	38 75
May 12 .	83 35	September 16	10 65	January	29 45
May 20	41.70	September 21	37 35	February 5	10 75
May I	45 (45	September 30	119 5	February 9	24 (8)
May 20	87 (9)	October 12	34 90	February 21	22 10
June 10	31 60	October 20.	30 (1.)	February 29	27 10
lune IN	24 (8)	October 27	W 15	February 28	1941 (A)
June 28	21 65	October 30	38 40	March 12	55 A5
July 1	21 (6)	November 10	29, 75	March 17	41.35
July 9	19 85	November 19	301 305	March 25	1 10
July 17	26 75	November 23	31 35	March 31	Sh wil
July 24	36 30	December 1	10.25	April 12	431.76
July #1	43 60	December 11	20 25	April 16	01 20
August 12	28 35	December 17	13.55	•	
August 20	32 (0)	December 29	5 15	Total	\$1710 VS
August 27	28 90	December 31	29 (4)		• • • • •
September 1	38 25	January 11, 1898	20 (4)		

List of Official Notices of Unsafe Structures Served During the Year:

-	
	NO.
Buildings condemned and ordered torn down	. 27
Unsafe buildings ordered repaired Down spouts ordered connected with sewer	. 57
Down spouts ordered connected with sewer	. 36
Gutters and down spouts ordered placed on buildings Porches ordered repaired and put in sate condition	. 20
Porches ordered repaired and put in sate condition	21
Fire escapes ordered placed on buildings Chimneys ordered repaired and placed in safe condition	5
Chimneys ordered repaired and placed in safe condition	27
Steps ordered repaired and placed in safe condition	. 11
Gutters, down spouts and sewer connections ordered reprired.	4
Chimneys ordered built higher so as to carry off smoke	4
Brick walls ordered repaired and put in safe condition	. 2
Brick walls ordered repaired and put in safe condition Stairs ordered repaired and placed in good condition	. 4
Dangerous retaining wall ordered torn down Railing around platform of fire escape ordered repaired	8
Railing around platform of fire escape ordered repaired	Ž
Water closet ordered reprired and put in safe condition	. 2
Sheds projecting into alley ordered removed	
Unsafe sheds ordered torn down	4
Stone retaining wall ordered repaired	" ž
Wooden platform ordered renaired	ī
Wooden platform ordered repaired Water barrels and buckets ordered placed in factory	. ī
Retaining wall ordered repaired	" ī
Floor ordered repaired	" î
Walls ordered whitewashed	
Water closet ordered put in sanitary condition	" i
Prismatic lights over area ordered repaired	" i
Chimney ordered torn down	ī
Iron shutters ordered repaired	i
Stairway ordered repaired and removed from alley	··· 1
Frame water closet ordered forn down	·· î
Traine water close ordered form down.	i
Trap door in sidewalk ordered repaired Building in street ordered moved back to lot line	🛊
Retaining wall ordered built	🛊
Retaining wall ordered built.	:
Unsafe water tower and tank ordered torn down	🛊
Grating over area ordere I repaired	‡
Portable fire escape ordered forn down	‡
Dangerous top story ordered taken off of brick building Building projecting into street ordered removed	🚦
Building projecting into street ordered removed	1
Manada manada ang Farita ang Alamana ang A	05.0
Total number of official notices served	206

Pay Roll of the Department for the Year by Months:

Months,	Amount
April 19th, noon, to April 30, 1807	
May, 1897 June, 1897	548 5
June, 1897	589 9
uly, 1897 August, 1897	578 7 570 1
August 1897.	570 1
September, 1897 October, 1897 November, 1897 December, 1897	570 1
November 1807	574 1
December, 1897	580 9
January, 1808	570 1
redituary, 1000	010 0
March, 1898	590 9
March, 1898 April 1st to noon April 18, 1898	818 t
Total for year	44094 (

Respectfully Submitted,

A. W. LOVE,

SAM. E. BEAR, Clerk.

Superintendent of Buildings.

REPORT

OF THE

Superintendent of the Water Department,

FOR 1898.

OFFICERS OF THE WATER WORKS DEPARTMENT.

Water Commissioners-GEO, S. GRAHAM, President.

GEO. P. HARDESTY,

M. V. WATSON,

B. T. WHIPPLE.

Secretary-R. M. GODFREY.

Landon St. St. St.

Superintendent-D. W. LONGWELL.

Chief Clerk---CHAS. E. RICKERT.

Engineer-WYNKOOP KIERSTED.

Assessor and Collector Water Rates – C. S. SQUIER.

Chief Clerk-J. B. LAWRENCE.

Engineer in Charge Turkey Creek Station- JOSEPH L. CHAPMAN

Engineer in Charge Quindaro Station-JOHN F. SICKELS

To the Honorable Board of Public Works,

Kansas City, Mo.

GENTLEMEN:—I submit here with the Second Annual Report of the Water Department, being for the fiscal year 1897.

QUINDARO.

The total pumping capacity at this station is now 44 million gallons daily, it having been augmented by the seven million gallon engine removed from Turkey Creek. It is so connected that we have a possible 29 million daily capacity into basins, and a possible 26 million daily capacity out of basins to Turkey Creek, one of the 11 million engines being connected both ways.

The pumping engines and boilers are in good condition.

On the 16th of May, when we were cleaning No. 2 basin, the outside wall being built of stone eight feet high, four feet through at the base, battered to two feet at the top, set on ten feet of clay, started to settle and slide into the basin, crushing the wall so that it had to be taken out entirely, and the fact developed that the bank upon which the wall rested was composed of layers of material called gumbo, which, when becoming saturated with water, has a tendency to slide. The slope covering of this bank had become disintegrated to such an extent that the bank was perfectly saturated, which was no doubt the cause of the slide. All of the earth that had moved in the slide was moved into the basin, and everything of a gumbo nature taken out of the bank and washed away, so that when the bank was rebuilt there was no material used except the best clay that could be found upon the bluffs above the station. This sliding material was found to permeate the whole bank in different layers, and in some points two feet below the level of the bottom of the basin, but it was all removed and replaced with good clay.

The design of the bank was changed upon the recommendation of City Engineer Wise and Assistant City Engineer Mitchell, under plans now on file in your office, and in this connection I would refer you to report of the Chief Engineer accompanying this.

After removing the clay in the bank, the water was turned upon it at the suggestion, (with my approval), of Chief Engineer Pearsons, and while we were doing some repairs and cleaning No. 8 basin, No 2 being partly filled with water, a section of the partition wall between 2 and 8, four feet in height and sixteen feet in length, broke through into No. 8 basin, washing a hole under the wall some ten feet deep, and carrying out the masonry and the timber foundation. This sudden drawing off of the water from No. 2 basin caused further damage to the north bank of No. 2 basin, all of which was repaired during the fall of '97.

Further repairs to this wall were made by excavating under the timber foundation the entire length of the wall to a depth of two feet by three feet, and concreting, giving a better footing to said wall and guarding against danger of a washout under the wall.

Further repairs were made in the bottom of No. 3 basin in the filling up with concrete of holes washed out of the bottom, the old concrete covering having disintegrated. The slope of No. 3 basin was repaired by plastering, and pilasters two feet by three feet, with a four-foot footing, were placed in the slope every thirty feet from its bottom to the top and under the out-side wall, with a view of preventing a slide similar to the one which occurred in No. 2.

Further repairs was the repointing of the top of all of the outside walls, the removal of disintegrated stone and replacing with good stone, a six-inch coping of Portland cement on the outside wall.

We have used Portland cement in all work where it will be exposed to alternate freezing and thawing, as well as in the filling of the conduit. As noted in Mr. Kiersted's report, further repairs will be necessary the coming fall in the other partition walls, and as weak points are found during the development of the work they will be remedied so that when the work is completed we will feel that our basins will be safe to operate in any condition which may arise, and that they will be better and safer than when originally constructed. It is our intention to make them as good as the best material and workmanship, together with the scientific knowledge of our Chief Engineer can make them. The total cost of such repairs to date is \$27,418,37.

Our estimate with our present knowledge for further repairs is \$20,000, but when we get into the bottom of basin No. 4, which the subscriber has never seen, we may find further expense necessary. If so, it will be gone into thoroughly.

FLOW LINE.

We have had several breaks in the flow line in the past year, but they have been repaired at small cost and no inconvenience to the system, as the low service suction pump placed last year at Turkey Creek Station has been taking the water away from the breaks as it was intended to do, so that the men were not interfered with in their repairs.

We found the piers carrying the bridge over Jersey Creek on which our 30-inch flow line rests, disintegrated to such an extent that the foundation and piers were almost hollow. The two piers have been repaired and made permanently solid and safe, while a new covering was put upon the bridge proper and upon the pipe.

The Kaw River bridge was scraped and repainted and refloored, at an expense of about \$800, giving the bridge three coats of lead and oil. An additional riprapping was placed around the iron piers of said bridge in Kaw River.

The long disputed point of pump slippage of the Metropolitan Company's ten million Worthington pump at Kaw Point Station, which was the arrangement made by my predecessor in conjunction with Chief Engineer Pearsons with the Metropolitan Water Company for the measurement of all water delivered to Metropolitan Water Company under decree of U. S. Court, has been settled by arbitration—the report of the arbitrants—Professor David M. Greene of Troy, N. Y., Lee M. Riley, Chief Engineer of Metropolitan Water Company, Kansas City, Kansas, and Wynkoop Kiersted, Chief Engineer of Kansas City, Missouri Water Department, rendering a unanimous verdict in favor of Kansas City, Missouri, Water Department of \$7,400, thereby fully substantiating all claims of this department in points in dispute.

TURKEY CREEK STATION.

Turkey Creek Station has been improved very much in the past year by the completion of our new ten million pumping engine, together with the two 300 H. P. water tube boilers, and the placing of the engine in service in December of '97. The

engine and boilers have run continuously since February 6th, and show that they are great coal savers, as the maximum consumption of coal per day has been reduced from 84,000 pounds to about 64,000 pounds, showing a net saving of coal of about 10 tons per day. In this connection I would again call your attention to the engineer's report, as he has gone into details, making a comparison which shows very creditably to our new investment in engine and boilers.

Further improvements at Turkey Creek is the connecting of all suction lines to the small basin so that now we are able to clean the basins without interfering with the running of the station. All of these improvements have cost a great deal of money, but they are necessary and are of the most permanent kind.

For further improvements at this station I would repeat my recommendations of last year, viz.:

A retaining wall on our Turkey Creek frontage.

A switch built into our grounds, together with a storeroom, machinery and blacksmith shop in a building separate from present boiler and engine house.

DISTRIBUTING PLANT.

This part of the system has been quite largely added to in the past year by the laying of 6.655 miles of mains, the different sizes of which the Foreman of the Street Division embodies in his report accompanying this statement, together with 13,1493 miles received from Westport, which includes 3,992 feet of 10-inch, 9,725 feet of 8-inch, 51,657 feet of 6-inch, and 4,759 feet of 4-inch, with 100 fire hydrants.

I wish to repeat my suggestion of last year regarding the necessitiy of additional fire engines for the Fire Department, and to especially call the attention of your honorable body to the danger we constantly incur by placing the extreme fire pressure so frequently upon our 30-inch main, upon which we are so dependent for water to supply the Fire Department during the progress of a large fire, and to again call your attention to the very urgent necessity of an additional main from Turkey Creek Station through the business portion of the city to some point east of Grand Avenue.

The Chief Engineer makes this recommendation in his report.

and I would suggest to your honorable body that a resolution be passed recommending to the Honorable Mayor and the Common Council that a certain sum be set aside from the water department fund for this purpose, so that this improvement can be made in the next year.

The increase in operating expenses has been caused by the changing from twelve-hour shifts to eight-hour shifts, increased coal consumption, caused by increased pumpings, the lowering of mains made necessary by change of grades, the moving of fire hydrants made necessary by the narrowing of streets, and the Park Board's boulevard work, as well as the increased work of all the divisions of this department, which will show by the accompanying reports of the heads of the different divisions.

The gross receipts being \$426,000 and the operating expenses \$132,000, leaving \$294,000 over and above operating expenses, which is over nine per cent on our bonded indebtedness, proves municipal ownership a success.

I wish to thank the Board for the united support they have given the department in all its efforts to place the plant in the best possible physical condition.

Respectfully submitted,

D. W. LONGWELL,

Superintendent.

KANSAS CITY, Mo., April 20, 1898.

D. W. Longwell, Superintendent Water Department.

DEAR SIR:—I have the honor to submit herewith a report upon the present condition of the water works and the improvements in progress and in contemplation.

RIVER SUCTION.

The intake crib at the Missouri River is too high to be serviceable at all times during the winter months. In consequence of this situation, an auxiliary suction thirty-six inches in diameter has been constructed for use when the level of the river falls below the inlet to the crib. The experience in the use of this auxiliary suction pipe during the winter of '97 demonstrated the advisability of extending this suction pipe deeper and outward into the river. A special casting has been made to serve this purpose, and it is recommended that the extension be made as early in the winter of '98 as may be found practicable.

SETTLING BASINS.

The method which is being pursued in the repairs to the embankment of basin No. 2 substitutes a light wash wall about two feet high of paving brick laid in Portland cement mortar for the heavy "ice wall" eight feet high of the original construction, improves the character of the earth work in the embankment. provides for a six-inch concrete and nine-inch paving brick covering for the inner slope, and will afford a greater degree of stability to the embankment. Thus far sufficient precaution has not been taken to prevent the formation of small channels for water at the points of contact of the ends of the earth embankment with the partition walls and the east retaining wall, nor yet to prevent seepage around the ends of the partition walls where they terminate in the earth embankment, and thereby avoid an unequal degree of saturation and a proportionate unequal tendency to slide. A cut-off wall, such as it is customary to use in such instances, is being constructed between the embankment of basin No. 2 and the partition wall between basins 2 and 8. embankment of the other basins may yet require a similar protection.

The disintegrated masonry in the upper three feet of the partition wall between basins 2 and 3 has been replaced by a wall composed both of paving brick in Portland cement mortar and of Portland cement concrete. This improvement includes the substitution of a brick arch over the upper conduit for the plank cover originally put in. The work has been done in accordance with plans submitted November 19, 1897.

As originally constructed, the partition wall possesses insufficient width from a level twelve feet below the top of the wall downward to the base. At a level of the bottom of the reservoir it has a width of but 10 feet 3 inches between the line of the battered faces, whereas the thickness should have been 1413 feet. The wall should also have a deeper footing in order to sustain without yielding the pressure of a full head of water on one side of the wall when the basin on the opposite side is emptied. The National Water Company braced the wall with three masonry buttresses on each side and with intermediate timber and pile supports. The buttresses are not bonded into the wall and the timber work is elastic, consequently the wall con-

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tinues to yield under pressure. The concrete filling already put into the lower conduit by your direction, increases the weight of the wall and proportionately increases its stability, yet this additional weight scarcely gives the security which is necessary in a reservoir wall of this character.

There was submitted in March, 1898, a detailed plan, a specification, a bill of material, and an estimate of cost of the work which is yet necessary to complete the reinforcement of this wall. It provides for eight additional buttresses on each side of the wall, securely bonded thereto, and supported on a broad foundation of concrete. These buttresses are intended to replace the yielding and therefore unsafe timber braces.

At least three more of the partition walls need strengthening. Plans are now in progress for this work, and will proceed along lines similar to those just outlined for the partition wall between basins 2 and 3. The fourth partition wall between basins 1 and 4, which once failed at the lower conduit, is reported to have been rebuilt of heavier masonry, but without an increased spread of base. Such repairs as may be needed for basins 4 and 1 can be developed only when these basins shall have been emptied for cleaning.

If overflow weirs be constructed in the partition walls as they are repaired, then the water in passing from one basin to another will flow in a thin sheet over the weir and will result, it is believed, in clearer and a better settled water than is possible by the method now in use.

QUINDARO PUMPING STATION.

The nominal capacity of the low service pumping engines at this station is 44 million gallons per 24 hours. The machinery is in good condition except for some needed repairs due to ordinary "wear and tear" of machinery, resulting from ten or more years of constant use. The average daily coal consumption per one million gallons of water delivered to the city in 1896 was 2,108 pounds, while that of the present fiscal year to March 81st, 1898, is 2,428 pounds. The increase of coal consumption is doubtless largely due to the heavy consumption of water for construction purposes and to the waste of water resulting from the reservoir breaks.

CAPACITY OF FLOW LINE.

The late piezometric measurements in connection with the slip test of the Kaw Point pumping engine afford an excellent basis of determining the discharging capacity of the 30-inch and 86-inch flow line. This test shows the discharging capacity of the BB-inch pipe to be about 61 per cent and that of the Bilinch pipe to be about 80 per cent of that of new pipe of the same size. This reduced discharging capacity is largely due to the resistance offered by corrosion and by deposits of mud on the inside of the pipe. The reason that the 36-inch pipe offers a proportionately greater resistance to flow than does the 30-inch pipe, is accounted for by the fact that the higher velocity of flow in the 30-inch pipe has a greater scouring effect and thereby receives less deposits than does the 36-inch pipe. During the summer months, however, when the daily consumption runs high, the conditions of flow in both pipe lines may more nearly correspond. Should the 30-inch pipe not scour out by natural flow during the summer, then some method of cleaning may eventually have to be devised.

It is well understood that the pipes composing the flow line are of unusually light weight for pressure pipes, therefore they should be subjected to heavy pressure with caution. The delivery of water through the flow line to supply the summer consumption will probably not exceed that of the past year, because the Metropolitan Water Company has provided its own supply of water; consequently there is little danger of the flow line becoming overstrained during the year '98. But when it is remembered that the pumping engines at Quindaro must lift water from 67 to 89 feet with the flow line in its present interior condition in order to insure a daily delivery of 13 to 15 million gallons of water, and that the maximum daily summer consumption is apparently approximating these amounts, it is clear that the flow line without reinforcement will soon be operated under a pressure which may reach the danger line for this light cast iron pipe.

The direct measurements which can now be made of the discharge of the flow line, and the facilities now offered for keeping indicator records of the Quindaro pumping engine, afford an opportunity of collecting data during the coming summer which are necessary as a guide in computing the probable time, the cost and the character of any improvements which may be needed for the future improvement and reinforcement of the flow line and the low service pumping station.

TURKEY CREEK STATION.

The nominal capacity of the pumping engines at this station is 31 million gallons per day. The average coal consumption from April 20th to the end of December '97, was 70,558 pounds per day, and the average daily water consumption, based upon the apparent pump displacement, was 10,887,968 gallons.

The Barr pumping engine entered commission December 4th, '97, but was not in constant service during the month. For the purpose of comparing the relative economy of the Barr and Gaskill engines, the work of the three months, January, February and March, may be divided into two periods. period covers the interval when the Barr engine was working and the large Gaskill was idle. The second period covers the interval when the large Gaskill was working and the Barr engine was idle. The comparison is a fair one, as the average daily water consumption for these three months is practically uniform. the first period, the average daily consumption of coal was 48,642 pounds, and the average daily displacement of the Barr pumps was 6,060,195 gallons, and of the other pumps working with the Barr pumps 2,235,616 gallons, or a total of 8,295,811 gallons per day. For the second period the average daily coal consumption at the station was 72,440 pounds and the apparent daily displacement of the Gaskill pumps was 5,303,530 gallons, and of the other pumps 4,484,914 gallons, or a total apparent displacement of 9,848,444 gallons per day. Therefore, during the second interval when the Barr engine was idle, the increase of daily coal consumption was 23,778 pounds, and of the apparent pump displacement 1,552,633 gallons. This comparison clearly shows that the Barr engine and its boiler equipment are coal savers. The saving reduced to dollars, with coal worth \$1.25 per ton, amounts to \$5,424 per year, or to the interest at 10½ per cent on a capitalization of \$51,657; the 10½ per cent embracing 4½ per cent for interest on investment, 3 per cent for sinking fund, 2 per cent for renewals and repairs, and 1 per cent for insurance.

The daily increase of apparent pump displacement of 1,552,638 gallons when the large Gaskill engine is working, can

be accounted for largely through pump slip. An inspection of the pumps of this engine shows that the loss of this character is heavy, and with due allowance for slip in the pumps of the engine which work with the Gaskill, amounts to about 1,200,000 gallons per day. That is to say, this amount of water is elevated to a height corresponding to the daily working pressure, but escapes the delivery pipe in leaks through the valves and by the plungers of the pumps. The continued presence of these defects in the pumps of this engine entails an annual loss of about \$2,890 worth of coal. This annual cost represents nearly 20 per cent on \$9,154, which is the amount it is proposed to expend for new steel water ends. It is therefore urgent from a financial as well as a mechanical standpoint, that the shattered pumps of this engine be repaired at an early day. ence, \$3,084, between \$5,424, the estimated annual loss in coal consumption when the Barr engine is idle, and \$2,800, the value of the coal consumed in useless work by the large Gaskill engine, represents the annual loss resulting from the slip of the smaller engines and the use of a less efficient plant than is the new engine and its steam plant.

Kansas City is now and must remain dependent for a continuity of its water service upon pumping machinery working under a heavy pressure. Therefore it is especially necessary that the Turkey Creek Pumping Station be equipped gradually with high grade pumping machinery; that all machinery be kept in a high state of efficiency and exempt from such losses as pump slip to the greatest possible extent, in order to properly serve the interests of economy and to afford a prompt and efficient service. But until the Gaskill pump shall have been repaired, the station possesses insufficient reserve machinery to warrant the dismantling of any of the smaller machines for the purpose of thorough repairs.

RESERVOIRS AND STANDPIPES.

The topography of the city site does not admit of the extensive use of distributing reservoirs. In fact, the West and East bottoms, and similarly located territory, are about the only sections of the city which can be supplied from such reservoirs. The Holly Street Reservoir will doubtless answer indefinitely all the requirements of a service of this general character, with the possible addition of a small reservoir in the northeastern portion of the city. The local conditions pre-eminently require any large storage of water to be made in low level basins at the low service station. With these basins substantially constructed, with a secure connection with the Missouri River, with an ample flow line capacity, and with a reserve engine capacity at the pumping stations, there need never be any scarcity of water.

. Standpipes have been mentioned as a desirable acquisition to the system of water works, but the occasion has not yet arisen to regard standpipes in a favorable light. Expenditures directed to the perfection of the distributing system of pipes, and in equipping the pumping stations with a more efficient plant, will afford much more profitable and satisfactory returns.

DISTRIBUTION SYSTEM.

The site of the city embraces large tracts of low level and high level territory, having a difference of elevation of over 200 feet. The intermediate territory is more or less undulating. In order to supply the high level territory with water for ordinary or domestic service, the pumping machinery is constantly under a pressure equivalent to the elevation of water 310 feet high, except in response to a fire alarm, when the pressure becomes equivalent to a head of water about 420 feet high.

It is altogether unnecessary that the same extremes of pressure should prevail over the low level districts, because much lower pressures will there answer all the legitimate demands of service. That is to say, if pressures equivalent to an elevation of water from 186 feet to 300 feet in emergencies serve efficiently, as they will, the low level territory, it is altogether unnecessary and unprofitable to consume coal and machinery to elevate the water needed for the supply of the low level territory an additional 100 feet, or to the elevation of the supply of the high level territory. Obviously, therefore, these territories should receive their supply of water as independent districts.

The East and West bottoms and other low level ground may be classed as a low level district, and should possess a system of distributing pipes and pumping machinery independent of those intended for the high level territory, except for a suitable arrangement of pipe connections and valves for turning the pressure of the high level territory upon the low level district in emergencies. This method is now pursued in supplying the West Bottoms through the Holly Street Reservoir so long as the water delivered into the reservoir is not diverted through a partially throttled valve from the main supplying the high level territory. In that event, all water is practically elevated to the highest territory of the city, and distributed to the low level territory through the distributing reservoir acting essentially as a pressure-reducing valve. It is not clear, however, that all the available territory is yet embraced in the low level district as now supplied. An extension of the plan may involve the eventual construction of a second small distributing reservoir in the northeastern part of the city on the high ground overlooking the East Bottoms and continuous territory, and should certainly involve the setting apart of one or more engines for the exclusive service of this district.

The high level territory may also be districted into a North and South district. It becomes evident upon a study of the distributing system that a main feeder is needed in the northern section of the city. Likewise a similar main will eventually be needed in the southern portion of the city. Both mains should run eastward, and so far as practicable, along the high ground in their respective districts. The distributing pipes will extend from one district into the other without district limitations. Thus a heavy local draught in one district will receive support from the other through numerous channels. These several district mains connected by numerous distributing pipes, will afford numerous routes by which water can reach any particular locality, and thus will reduce the hazard of a failure of the water supply in any section of the city, will improve the fire service and will minimize the momentary fluctuation of load upon the pumps resulting from a temporarily heavy local draught of water by distributing the effect over a wide range of distribution. These main feeders, especially the one for the northern portion of the city, are needed both for the proper reinforcement of the distributing pipes and for a safer and more reliable fire service under all circumstances. At the present time, the 30-inch force main is so throttled as to be unable to discharge more than twothirds of its full capacity. In this throttled condition it is in a measure excessively strained. It can be relieved, and the dis tributing system, which is more or less in need of reinforcement,

improved by connecting with it additional feeders. Should this 30-inch main become disabled, a serious impairment of fire service will ensue pending the work of repairs. This danger can be averted only through the use of an independent main extending from the pumping station to the main feeders of the distributing system. The introduction into the distributing system of additional feeders will admit of water being delivered to the high ground with comparatively small pipe resistance losses and thus tend to reduce the present range of pressure between domestic and fire service. A north district feeder should be constructed without delay. The construction of the south district feeder is a matter rather for future than for present consideration.

The water department does not possess at the present time adequate data with which to formulate a definite and comprehensive plan of properly and economically reinforcing and extending the distributing system of pipes. These data can only be collected and compiled during the summer season, at such hours of the day when the consumption approaches a maximum. Once having them, the routes and size of the requisite feed pipes can be determined with reasonable accuracy for both domestic and fire service.

Kansas City must always remain dependent upon direct pressure service. But because of this fact it does not follow that steamer fire service becomes a matter of secondary importance. A more extended use of steamers than now prevails must necessarily follow the expansion of the city, particularly in the business district.

The fine silt which prevails to a greater or less extent in our water supply, deposits more or less of a thin coating upon the inside of the pipe, and seriously impairs the discharging capacity of small pipes. It is urged, therefore, that nothing smaller than 6-inch pipes be laid where fire hydrants are to be supplied. Also that a more liberal supply of hydrants be provided, both for steamer and direct pressure fire service.

It is urged that in the purchase of pipe for extensions and reinforcements, the pipes be classified by weight in proportion to the pressure they may be called upon to sustain as a part of the distributing system; the heavier pipe of any given size to be placed on the low ground. A standard specification covering the essential requirements of each class (probably two classes in

most instances) may aid in the purchase of pipe and special castings and in the acquirement of a longer lived and more secure distributing system than will be the case if what is known as standard-weight pipe is used indiscriminately. However, no pipe less than standard weight should be used.

In conclusion I beg to offer the following recommendations:

- That the repairs to the Quindaro settling basins be continued until the basins are safe.
- That data be collected during the summer upon which to base an estimate of the time which the present flow line facilities will suffice and of the best method to pursue in the work of increasing these facilities when needed, and an estimate of the cost thereof.
- That the pumping machinery at Turkey Creek Station be placed in a thoroughly efficient condition, and that as the old pumping engines become too small or unserviceable, they be gradually replaced by high grade engines which are suited to the peculiarities of the water service.
- 4. That the requisite data be collected during the summer for the purpose of formulating a plan of economically and successfully reinforcing and extending the distributing system of pipes. Also that standard specifications be prepared for cast iron water pipes and special castings.

The early consummation of the general plan which you have outlined and are now pursuing in an effort to make substantial repairs, to liberally reinforce the distributing system and to gradually substitute high grade pumping machinery for that which has outlived its usefulness is one which in my judgment should receive substantial support and united indorsement.

I have the honor to be,

Very respectfully, WYNKOOP KIERSTED, Chief Engineer.

SYNOPSIS. Gallons. Daily consumption per capita (about)..... Minimum pumpage May 15, '97...... 6,195,767 Total number elevator indicators in use...... Total number services added during year......... 1,141 Number of feet of pipe laid during year.....34,597 Total number miles of pipe in use Apr. 19, '98... 158 8050.5280 Total number hydrants 1,558 Cost of laying pipe (including valves, specials and hydrants......\$ 21,613.13 Operating expenses...... 120,492.17 Operating expenses Assessor and Col. 11,676.08 Betterment expenses...... 101,470.96 RECEIPTS AND EXPENDITURES, FISCAL YEAR, 1897. Balance with Treasurer..... \$127,064.62 Total receipts 427,115.21 Assessor and Collector....... \$ 11,676.08 Betterment of plant...... 101,470.96 Balance with Treasurer...... 121,698.12 **\$**554,179.88 **\$**554,179.88 PAY ROLLS AND VOUCHERS. Department. Vouchers. Pay Rolls. Total. Supt., Engineer and Office. \$ 7,479.17 546.18\$ 8,025.85 Street...... 10,009,31 4,199.4214,208.78 1,888.6112,405.62 5,211.74 14,768.87 Turkey Creek 21,572.48 19,797.12 41,369.55Quindaro 12,504.36 12,574.70 25,079.06 32,754.04 41,457.02 28,849.64 82,595.57 27,418.87 Betterment, Quindaro....... 17,682.18 9,786.24 4,684.99 4,684.99 Insurance, taxes, etc....

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OPERATING EXPENSES FISCAL YEAR 1897.

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COMPARATIVE TABLE OF EXPENSE FOR YEARS 1896-7.

Department.	1896.	1897.	Increase.
Supt., Engineer and Office	\$ 8,915.17	\$ 8,025.85	
Street		14.208.78	\$ 351.18
Inspection	. 8,911.43	12,405.62	8,494.19
Meter	18, 153. 79	14,768.87	1,615.08
Turkey Creek	. 81,987.50	41,869,55	9,432.05
Quindaro	. 18,117.57	25,079.06	6,961.49
Distributing plant	. 21,897.55	41,457.02	19,559.47
Betterment, Turkey Creek		82,595.57	20,078.48
Betterment, Quindaro	8,505.70	27,418.87	28,912.67
Insurance, taxes, etc	4,891.08	4,684.99	243.91

The increase of \$351.18 in Street Department for 1897 over 1896 is due to the small increase in the force of this department.

The Inspection Department shows an increase of \$3,494.19, which is due to the fact that the business has increased to such an extent that an additional inspector has been necessary; also that four laborers have been regularly employed during the past year. There have been 1,141 taps made during the year 1897 as against 524 taps for 1896.

An increase of \$1,615.08 shows in the Meter Department for 1897; which is due to the fact that there has been an additional man added to the meter force, and general increase in salaries of force, owing to the fact that the force has been put on regular salary instead of day pay, as was the case during preceding year.

An increase of \$9,432.05 for 1897 over preceding year shows for Turkey Creek expense, which is accounted for by the fact that the force at this station has been materially increased, three shifts being worked instead of two, as was formerly the case. The price of coal being advanced 3 cents per ton, also added to the increase; also pumping being greater than previous year. The chief item of this increase, however, was caused by the increase in force.

The increase of \$6,961.49 for Quindaro is explained by reason of additional help, account of changing from two shifts to three, the heavy cost of repairs to station, account extensive repairs being made on basins, increased pumpings, etc.

Office of Street Division of Water Department S. W. Corner Second and Main Sts., KANSAS CITY, Mo., April 18, 1898.

D. W. Longwell, Superintendent.

This report of work done in this division of water department during the year commencing April 19, 1897, and ending this date, respectfully submits that we have laid 34,938 feet of pipe, representing 84,084 feet of mains and 849 feet of side lines, have set 84 hydrants and 70 valves. These mains have been laid at a cost in labor of 15 per cent less than usual in any city in this country, and have been laid with so much care that no imperfections have been reported.

On account of change of grades in streets, we have lowered 5,270 feet of pipe without interruption of use of water by consumers. The cost of this work has been somewhat increased on account of excavation, in most places being made in rock. Also the change of curbs has necessitated the moving of 57 hydrants.

We have cared for 157 miles of pipe, 1,652 hydrants, and 1,000 valves. This includes the Westport addition of 13 miles of pipe, 100 hydrants and 60 valves. This work has been accomplished, and there has not been a single complaint of failure in any respect.

On account of the unrestricted use of hydrants by the city street department, the care of these has called for extraordinary vigilance, but the Fire Department has never had occasion to use a hydrant in service that was not in perfect condition. While we have had numerous lead leaks and some breaks during the winter, no damage has resulted therefrom.

Our valve system is imperfect and has received less improvement from the department than any other branch of the service. The recommendation is made again that the many valves heretofore reported out of order be replaced by new ones, and many be added to the old part of the system. The details of this and all other work are submitted in a tabulated statement accompanying this report.

> Respectfully submitted, JAMES S. CANNON, Foreman.

Report of the Work Done by the Street Division of Water Works Department from April 19, 1897, to April 18, 1898.

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Inventory of Material Used and Stock on Hand 1898, by Street Department.

CAST IRON PIPE.

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Size	Received.	laid.	Sold.	Resetting Hydrants.	. At т. с. Р. н.	Apr. 19, 1897.	Apr. 18, 1808,
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VALVES AND HYDRANTS AND SPECIALS ON HAND APRIL 18, 1898.

Article.	Size.	No	Article.	Size. No
Sie ves and Rings	+ In	3 2	Cast Iron Anchors	1 In. + 134
Sleeves and Rings	6 In.	20	Cast Iron Anchors	6 In 43
Serves and Rings	≽ In	12	Cast Iron Anchors	5 In. 16
Skeves and Rings	10 ln ,	2	Cast Iron Crosses	i in. 10
Siecves and Kings	12 In	:.	Cast Iron Crosses	6 In. 27
piceses and Rings	15 In	2	Cast Iron Cro ses	8 In. 18
wierves and Rings	14 In	3	Cast Iron Crosses	10 In 6
siceses and Rings	20 In	1	Cast Iron Crosses	12 In 1
sierces and Rings	21 In	4	Cast Iron Crosses	20 In 2
Sleeves and Rings	:#0 lm	2	Cast Iron Cross, -	21 In. 1
Seeves and Rings	:# In	2	Cast Iron Crosses	15 In 1
Cast Ir in Bends	4 In	12	Cast Iron Crosses	16 In 1
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Cast Iron Bends	s In	23	Ludlow Hydrants	6 In 2 6 In 2
Cast Iron Bands	10 In	4	Gaskell Hydrants	6 In 2
Cast Iron Isonda	le In	2	Corey Hydrint-	lin 6
Cast Iron Bends	20 In	2	Ludlar Valves	i In i
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Cast Iton Hends	15 I u	5	Ludlac Valves	5 In 3
Cast Iron Reducers	6 In		Ludlow Valves	1+1n. 1
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Cast Iron Reducers	joln	1	Chapman Valves	61n 2
Cast Iron Reducers	12 I n	1	, Smith Valves	6 In 12
13-4 Iron Reducers	14 In	1	Cast Iron Toos	14n 20
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Cast Iron Plug-	• i In	51	Cast Iron Tees	∼ In ∼
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Received Set	On Hand		Management Scott	On Hand

HYDRANTS.

Received	Fet.	Fet.	(711-71	41101	Received	.	On H	141-1
		April 19 1897	vpril 15, 1595			April 1 c 15 G	1000 000	
97	*1	14	2.0	٠,	700	200	·:	

INVENTORY OF MISCELLANEOUS STOCK ON HAND APRIL 18, 1898.

Syphons 2: Block and Tackel Sets, 1. Derivided a Social Control of the Social Review of Sets Hydrant and Valve Repair Outh), a Sets Caulken, Cathing and Control of the West Packing Sepounds; Lead 2,500 pounds

NEW HYDRANTS SET.

W. S. Grand ave 360 ft south Twenty-third	6	Inch.
S. W. Seventeenth and Askew ave		"
S. E. Twenty-third and Main	в	"
E. S. Euclid between Independence and Seventh	4	**
S. W. Seventh and Gladstone	4	"
S. W. Eighth and Gladstone.	4	64
N. E. Tenth and Park	i	44
N. E. Eleventh and Park		4.6
S. W. Thirty-first and Garfield.		
		44
W. S. Garfield between 30th and 31st		66
N. E. Thirtieth and Flora		44
W. S. Flora between 30th and 31st.	4	"
S. W. Lydia between 17th and 18th	4	
W. S. Baltimore between 29th and 30th	4	"
N. W. Thirtieth and Baltimore	4	"
W. S. Baltimore between 30th and 31st.	4	• •
N. W. Baltimore and 31st.	4	66
S. W. Harrison and Missouri ave	4	• •
N. W. Harrison and Pacific.		66
S. E. Baltimore and 29th		44
West Oak between 30th and 31st	7	44
W. S. Forest between 29th and 30th.		46
N. W. Forest and 30th	4	**
W. S. Forest between 30th and 31st		
N. W. Forest and 31st.		66
N. W. Twenty-third and Woodland		4.6
S. E. Fourteenth and College ave	4	••
S. W. Twenty-ninth and Harrison	4	
S. W. Twenty-fifth and Park ave.	4	**
N. W. Twenty-second and Montgall ave.	4	44
N. W. Thirteenth and Highland ave	ā	44
S. S. Sixth between Prospect and Chestnut	4	44
S. W. Chestnut and Sixth		* *
S. S. Sixth between Chestnut and Bellefontaine	4	6.
		44
S. F. Bellefontaine and Sixth		
S. W. Sixth and Walrond	4	44
N. W. Seventeenth and Michigan ave	4	
W. S. Michigan between 17th and 18th		
S. S. Morrell between Walrond and Indiana	4	"
S. W. Morrell and Indiana	4	
S. S. Morrell between Indiana and Bales	4	**
S. W. Morrell and Bales	4	4.6
S. W. Twenty-eighth and Belleview ave	4	66
W. S. Belleview between 28th and 29th.	4	
W. S. McGee between 30th and 31st.	ī	4 6
S. S. Missouri ave. between Maple and Garfield	ā	"
S. F. Twenty-third and Michigan	<u> </u>	"
2. W. Thistanth and Dalos	4	44
S. W. Thirteenth and Bales	7	4.
N. W. Fourteenth and Bales.		
W. S. Chestnut 300 ft. N. of Independence ave	4	"
W. S. Chestnut 610 ft. N. of Independence ave	4	
S. W. Thirtieth Nelson Place	4	
W. S. Nelson Place between 30th and 31st	4	**
Total forwarded		54

NEW HYDRANTS SET.—Continued.

Total forwarded	,	54
N. W. Thirty-first and Nelson Place N. W. Dunham and Indiana		••
S. W. Twentieth and Indiana		"
N. W. MEILINEW REIG		••
S. W. Nineteenth and "	4	4.4
		4
5. W. I Wenty-second and		••
N. W. Twenty-fourth and "		**
W. S. Indiana 207 ft. N. of 25th S. E. Janson Place 150 ft. S. 36th		"
W. S. " " 325 S. 36th		**
S. E. " opp. 38th		"
E. S. " 900 S. of 36th W. S. Summit between 20th and 21s		**
W. S. Michigan between 22nd and	23d	**
W. S. Harrison between 29th and 30 S. W. Twentieth and Mercer.		••
W. S. Penn opp. High	4	**
N. E. Fifteenth and Cherry S. W. Thirtieth and Harrison		••
W. S. Harrison between 30th and 3	1st 4	••
S. W. Independence Bvd. and Eucl	id	••
W. S. West Prospect between 23d a N. W. Twentieth and Central		"
Total		- NI

MAINS LAID IN 1898.

ग्धहर १५ मि	Ave q isoO	변수도 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등	- P
lo i .bis,l	eo2 onid	を表現を表現を表現を表現を表現を表現を表現を表現を表現を表現を表現を表現を表現を	11 042 11 042 11 042
yd'ts.	e in.		31
Fire Hyd'ts	# <u>+</u> ;	N- N21221-7	- 2
tal res.	oT IrV	ander est decemberees commenter entra	<u> </u>
انہ	10 in.		
Size of Valves.	6 in.	Ne ee ea 20ee ee ee ee ee ee	: -
ize of	ij		- -
s.	1½ in 4 in.		
No. rect.	intoT		312
	10 iii.		15ee
Length of Line.	e in.	部 网络克克克里克尔曼克 医黑色 医皮肤 医电影克克里曼 经重要的	315 875 875 875 875 875 875 875 875 875 87
ngth	=	हैं इहि इसम इहिन स्वाप्त स्वापत	P. C.
! <u>``</u>	1½in. 1in.		<u> </u>
	Location.		West Prospect, Twenty-third to Twenty-fourth. Forest avenue, Eighteenth to 326 feet north Totals
	Ord.	またからにある。 またないである。 またないできますが、 できますが、 できますが、 できますが、 できまますが、 できまなが、 できまなが、 できまなが、 できまなが、 できまなが、 できまなが、 できまなが、 できまなが、 できまなが、 できまなが、 できまなが、 できなががが、 できなががが、 できなががが、 できなががが、 できなががが、 できながががががががががががががががががががががががががががががががががががが	9110 0110

MAINS LAID BY WESTPORT 1897.

 								— ·-
Location.	Size	of pip of l		gtn	Total No. of feet		No. and ze.	otal valv
	10 in	Sin .	4 in	i in	5 N	10in 5 in	6 in 1 i	
Nell list to With.	:9W12			;	:9912	1	-	1
28th Darrough to Genesce	ii.ii				3230	•		
Westport ave . Penn to Chestunt	•	1715			1715	2		.,
R anoke, 38th to 39th		170			170	ī		1
a'th Main to Troost		7510			7540	5		.5
Biltimore ave., 20th to 39th.			1100		1:45		1	' 1
32nd Holmes to Campbell			760		7641			
33d Penn to Broadway			0.17		6.15		1	1
tel Main to Walnut			340		340			
Walnut 41st to 43d			57.0		570		1	1
41th Oak to Cherry			6, 61		6.0		ļ	1
Central Sth to Westport ave.			1725		1725		!	j
Penn Westport to Lawrence			670		670		1	1
the Chestnut to Central			1610 510		1411		1	1
Westport ave . Chestnut to 43d Chestnut, 38th to 434	•		(Mar)		.10	2	1	1
Penn. Hanover to 38th			1220		1:25	-	,	.,
Madison 37th to 38th.			1120		1120		1	1
Washington, 38th to Hanover.			1770		1770		•	•
Central 43d to a point south			950		14.41		1	ı
Main, 10th to 15th.			4134		3135		2	2
ith Main north to Main south.			200		2181		ī	ī
38th Penn to Roanoke.			20,000		26000		2	
Oak Joth to 14th			2364		25.65		5	; 2 2 1
Holmes, 78th to 37th.			615		615			1
31 Oak to Cherry			6.12		14-42		1	1
Woodworth ave , Main to Oak			1312		1.312		1	1
ath Main to Oak			1		1		1	1
and Main to McGee.			1165		110		1	1
Penn, 31st to a point south 35th Metree, 31st to 33d,			1.04		1.00		22 1	i
Oak olst to 50th.			110410		1:030		i	i
Cherry 31st to 3kl			1612		1612		i	í
Campbell 31st to 32nd			31.				i	i
Harrison, 31th to 35th.			7.0		7.6		2	- 3
Locust, 23d to a point north .			(3:50				-	_
Holmes 31st to 32d			1642		100		ì	1
37th Warwick Byd to McGee			22.1		20.00		1	1
Warwick Bed., 25th to 43d			(4.14)				1	4
Cample 1!, 23d to 30th					1		:	2 1
Mth. Kenwood to Campbell			***		۳.		:	
20th, Grand ave. to McGee					212		1	
McGee, 39th to 13d Archibald, Chestnut to Elizabeth							2	1 1
Elizabeth, 40th to Westport acc.								! !
#th, Flizabeth to Penn				11.00				
Linwood, Main to McGee.					i i		2	,
spring Main to a point east							-	: 7
	-			-				
Totals.	1000	12.	4 %	17.0		1 :	ı	• •

Ĺ.

Hydrants and Location, Westport, 1897.

	_
Bell, N. W. 32d st	ch
S. E. 430 and Westbort ave	
5. E. Linwood and Grand	
5. 5. 5+th, 1002 it. E. 01 Main	
S. W. 38th ank Roanoke	
N. W. 32d and Penn	
N. W. 39th and Baltimore4 "	
S. W. 38th and Baltimore	
S. W. 37th and Baltimore4 "	
S. W. 36th and Baltimore 4 "S. W. Archibald and Elizabeth 4 "	
S. W. Archibald and Elizabeth 4 "	
S. S. 32d and Charlotte 4 "	
S. W. 41st and Walnut	j
W. S. Walnut, bet. 41st and 43d	
S. W. 43d and Walnut	
S. W. 4th and Cherry	
S. W. 44th and Locust	
S. W. 38th and Central 4 "	
N. W. 58th and Central	
5. W. Myrtle and Central	
N. E. Archidald and Penn	
N. E. Fenn and Lawrence	
S. W. Central and 43d st	
S. W. Washington and 43d st	
5. P. Jenerson and 450 St	
S. W. Westport and Mill 4 "	
S. S. Westport, opposite Bryant	
S. W. Westport and Elizabeth	
S. W. Chestnut and Westport ave	
N. W. Archibald and Chestnut	
S. W. High and Chestnut	
S. W. Pearl and Chestnut	
S. W. 40th and Chestnut	
N. W. Penn and 38th st	
S. W. Penn and Randolph	
S. W. Penn and Hanover	
S. W. 37th and Madison 4 "	
S. W. Randolph and Madison 4 "	
N. E. 38th and Washington 4 "	
S. W. Hangaer and Washington	
S. W. Hanover and Washington	
N. W. 44th and Central	
W. S. Main apposite 15th at	
W. S. Main, opposite 45th st	
W. S. Main, opposite 44th st	
5. W. Main and 450 St 4	
N. W. Main and 42d st	
N. W. Main and 41st st	
W. S. Oak, 342 S. of 35th	
W. S. Oak, 977 ft. S. 31st st	
W. S. Oak, 342 S. of 35th	
S. W. McGee and Linwood	
S. W. Bayard and McGee	
S. E. 32d and Bell	
S. W. Chestnut and Genesee	
S. E. 33d and Penn	
S. W. 34th and Penn.	

Total Number Hydrants

1141

KANSAS CITY, Mo., April 19, 1898.

D. W. Longwell, Superintendent.

Below is a report of Inspection Department for the fiscal year ending April 18, 1898. It certainly shows that considerable has been accomplished during that period:

On, regular	
On, repaired	470
On, builders	
On and off for elevator test	
Off moved	
Off, request	430
Off, violation	116
Off, torn down	
Off, unpaid	1825
Off, burned	17
Off leak	594
Off, leak Off, builders finished	952
Examined by Building Inspector	200
Examined by Building Inspector Shortages found by Building Inspector	2500
Shortages found by Building Inspector	08
Violations found by Building Inspector	218
Rerated	
See if O. K	2538
See if off	1702
Trenches examined	2266
Small mains turned off Statements taken	131
Statements taken	802
Power manageral enough	69
Boxes measured special Boxes out of order	754
Boxes out of order	237
Notices to repair boxes	
Keys captured	23
Services examined.	632
Leaks found and notices given	2329
Blocks consumers notified before street is paved	147
Meter found out of order	1
Meter found out of order By-pass valves examined	40
By-pass valves scaled	5
By-pass valves sealed	435
Nice amounting value scalal	64
Pire protection valves sealed Examination for correction of maps	36
Examination for correction of maps.	E 170
Miscellaneous	9118
Sprinkling violations	43
Service permits issued	1999
Service permits examined	1921
Service permits rejected	238
Extension permits issued	2514
Extension permits issued Extension permits examined Extension permits rejected Taps made Fountains examined Services repaired Services disconnected	2836
Extension permits rejected	121
Tane made	1141
Wountaing against 1	800
Contracting examined	179
Services repaired	104
Services disconnected	134
New fountains put in	. 2

Respectfully submitted,

WALTER R. WILSON, Chief Inspector.

REPORT OF METER DEPARTMENT.

KANSAS CITY, Mo., April 18, 1898.

D. W. Longwell, Superintendent.

DEAR SIR:—Herewith I submit a report of this department for the fiscal year ending April 18, 1898. This, however, does not include clerical and much other miscellaneous work done which it is not practicable to catalogue.

No. of meters in stock at No. of meters bought No. of meters received fr No. of repaired meters pr No. of meters set No. of meters in stock	om plumbers a		468 21	48 219 164 31
			492	192
Average No. of meters re No. of special inspection No. of meters sold No. of meters set No. of meters taken out No. of meters in service No. of elevator indicator No. of meters repaired No. of meters reset No. of meters reterior indicator No. of meters fested No. of elevator indicator No. of faucets repaired No. of faucets repaired No. of meter boxes No. of wooden meter boxes No. of wooden meter box No. of wood n meter box No. of wagons painted No. of buggies painted No. of road carts	of service s in use s repaired sed s put in ses put in			3448 1215 263 468 58 3683 60 40 453 921 38 849 367 113 114 80 2 2
	METERS 1	BOUGHT.		
12 in. Crown 5a in. Hersey 2 in. Hersey 42 in. Nash 12 in. Trident	78 42 1 43 17	4 in Ardent 42 m. Empire 3 in. Gem	ភ	100 1 1 249
METERS RECE	IVED FROM P	LUMBI PS AND CONSU	D-88.	
32 in, Crown. 34 in, Crown 1 in, Crown 45 in, Hersey 1 in, Hersey 1 in, Hersey	60 5 4 69 46 2 2 50	tom Trident , in Trident Lin Trident tom North , in Wathington	;)* : :	

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METERS ⅓ in. Crown 77		16
¼ in. Crown	½ in. Empire	10
1 in. Crown 3	3 in. Gem	1
1½ in. Crown 1 1 95	'5g in. Thompson 5g in. Hersey	1 43
3/2 in. Trident 103		_
¾ in. Trident 3— 106	_	63
METER		
½ in. Crown 145	½ in. Trident	
34 in. Crown 22 1 in. Crown 11	34 in. Trident	51
1½ in. Crown 1		30
2 in. Crown 1	½ in. Empire	2
3 in. Crown	58 in. Thompson 1 in. Lambert	2 1
5% in. Hersey 90	34 in. Worthington	2
¾ in. Hersey 2	l in. Union	1
1 in. Hersey 1— 95 3 in. Gem 1	4.	68
3 in. Gem 1	= : = :	
METERS I	N STOCK,	
½ in. Crown 2	34 in. Hersey 2	
34 in. Crown 6 1 in. Crown 2	1 in. Hersey 1— 1 in. Union 1	4
1½ in. Crown 1	34 in. Thompson 1	-
2 in. Crown 1	l in. Thompson l—	2
3 in. Crown 1 4 in. Crown 1— 14	1/2 in. Trident	2
% in. Hersey	¾ in. Trident 1—	_
,,,		24
	- -	_
METERS R	EPAIRED.	
3/2 in. Crown 128	58 in. Thompson 11	
3. in. Crown	3. in. Thompson 3 1 in. Thompson 2—	16
1 in. Crown	§ in. Worthington 7	10
2 in. Crown 17	34 in. Worthington 3	
3 in. Crown 11	1_{2}^{1} in. Worthington 4	10
4 in. Crown 4 6 in. Crown 5— 254	2 in. Worthington 5— 32 in. Nash 1	19
% in. Hersey 121	is in Union	2
34 in. Hersey 14	12 in. Empire	1
1 in. Hersey 6	1/2 in. Trident 5 3/4 in. Trident 1—	6
1½ in. Hersey 2 2 in. Hersey 4	3 in. Gem	i
3 in. Hersey 1	¾ in. Lambert	i
4 in. Hersey 4— 152	4	 53
Mounton indicators repaired	_	 8
Elevator indicators repaired		ō

METERS IN SERVICE.

1/2 in. Crown	1419	6 in. Worthington	1— 49
🗓 in. Crown	. 501	1/2 in. Union	4
l in. Crown	182	¾ in. Union	. 2
15 in. Crown	57	l in. Union	. 1
	56	3 in. Union	
3 in. Crown	57	1/2 in. Lambert	9
Ain Crown	. 45	🔣 in. Lambert	1
6 in. Crown	3-2320 820	X in. Lambert in. Lambert	1 11
55 in Hersey	820	1/2 in. Trident	. 144
& III. Hersey	108	34 in. Trident	. 13
l in. Hersey	44	l in. Trident	6— 1 63
15 in. Hersey	11	1/2 in. Nash	32
l in. Hersey 15 in. Hersey 2 in. Hersey	14	l in. Nash	. 1— 33
3 in. Hersey	14)	1⅓ in. Empire	. 13
3 in. Hersey 4 in. Hersey 5 in. Worthington	7-1017	1½ in. Empire ¾ in. Empire ¾ in. Thompson	14→ 27
h in. Worthington	17	14 in. Thompson	38
¼ in. Worthington	10	in. Thompson in. Thompson	8
l in. Worthington	4	! in. Thou pson	3— 49
15 in Worthington	5	2 in. Gem	
2 in. Worthington	6	3 in. Gem	4— 5
3 in. Worthington	4		
1 in. Worthington	7-1017 17 10 4 5 6 4 2		36×3
Elevator indicators in	use		, 60
Amount charged for me	eters sold		\$ 3,650.00
Amount of material use	d in setting an	d repairing meters, puttir	ng
in and repairing me	eter boxes, rep	pairing faucets, etc	1,441.94
Amount charged for ma	sterial furnishe	d to other departments.	100.80
Amount charged for tw	clve cast iron	meter box covers, furnishe	
to contractors and	consumers		38.00
Amount charged for tw Grand Island, Neb		ter box covers furnished	to B.(X)
,			£ 5 040 74
			\$ 5,243.74

For Inspection Department: Repaired four street keys, one tapping machine. Made three rifts.

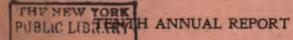
Respectfully submitted,

J. F. ANDERSON,

Superintendent of Meters.

TURKEY CREEK STATION.

Water. Gallons.	Coal.
Gallone	
Garrong.	Pounds.
108,368,768	680,3 18
305,296,907	2,016,433
	2,011,520
	2,343,830
	2,342,874
	2,397,657
	2,419,317
	1,989,080
	2,224,212
	1,931,225
	1,486,577
	1,511,631 848,883
100,001,004	010,000
2 695 (91 797	24 202 857
0,000,421,707	<u>24,203,557</u>
ON.	
Water.	Coal.
Gallons.	Pounds.
123,354,000	242,250
382,472,300	776,650
387,972,000	827,350
	960,650
	1,048,490
	1,178,350
	1,187,000
	952,355
	1,081,950
	977,650
	807,650
	802,300
100,778,000	392,850
4 639 187 144	11,235,495
· · · · · · · ·	
N WATER COMPANY	Gallons.
	71,496,000
	81,914,400
	92,448,000
	110,707,2 ()
	125,215,000
•	128,952,000
	128,108,000
	117,072,000
	113-) 009 13/1/
	122,983,200
. ,	84,369,600
. ,	84,369,600 38,102,400
	84,369,600 38,102,400 19,885,646
	324,142,136 357,579,596 318,561,006 271,832,939 330,264,545 281,761,470 243,026,435 257,244,818 168,381,584 3,635,421,737 Water. Gallons. 123,354,000 382,472,300 387,972,000



TILDER FOUNDATIONS.

OF THE

BOARD OF PUBLIC WORKS



OF KANSAS CITY, MO.

For the Fiscal Year, 1898.

April 18, 1898, to April 17, 1899.

4.50

REST BISCERY CO., CO. 137 W. STM ST.



TENTH ANNUAL REPORT

OF THE

BOARD OF PUBLIC WORKS



OF KANSAS CITY, MO.

For the Fiscal Year, 1898.

April 18, 1898, to April 17, 1899.



BOARD OF PUBLIC WORKS.

GEO. S. GRAHAM, President.
GEO, P. HARDESTY, Member.
M. V. Watson, Member.
B. T. WHIPPLE, Member.
R. M. GODFREY, Secretary.
W. S. CAMPBELL, Clerk of Supplies.
IDA G. FIELD, Stenographer.
DEPARTMENT OF ENGINEERING.
HENRY A. WISE, City Engineer.
STEPHEN A. MITCHELL, - Assistant City Engineer.
H. P. Selden, - Superintendent of Construction.
MARCUS E. GETCHELL, Chief Clerk.
J. A. McGee, - Supt. of Sidewalks and Curbing.
E. A. HARPER, Chief Draughtsman.
DEPARTMENT OF STREETS AND ALLEYS.
Wm. M. Sloan, Superintendent.
STANLEY M. HYER, Chief Clerk.
*
DEPARTMENT OF BUILDINGS.
A. W. Love, Superintendent.
SAMURI, E. BRAR, Clerk.
DEPARTMENT OF WATER WORKS.
D. W. Longwell, Superintendent.
W. Kiersted, Chief Engineer.
CHAS. E. RICKERT, Chief Clerk.

BOARD OF PUBLIC WORKS.

FISCAL YEAR 1889.

FISCAL YEAR 188	9.
NAMES OF MEMBERS.	LENGTH OF SERVICE.
J. M. PATTERSON, President FRED HOWARD, Member L. K. THACHER, Member. PHIL, E. CHAPPELL, Member.	June 11, 1889, to April 21, 1890, June 11, 1889, to May 2, 1890, June 11, 1889, to April 25, 1890, June 11, 1889 to May 2, 1890.
FISCAL YEAR 189	0.
J. S. Cannon, President. W.M. WESTON, Member. W. A. KELLEY, Member. J. H. BECKHAM, Member	May 2, 1890, to April 27, 1891.
FISCAL YEAR 189	1.
J. S. CANNON, President. JNO. R. STOLLER, Member. H. C. MURPHY, Member. CHAS. A. ROLLERT, Member. GEO. HOLMES, Member.	Term expires April 18, 1892 April 27, 1891, to Nov. 12, 1891 April 27, 1891, to April 18, 1892 April 27, 1891, to April 25, 1893 Nov. 12, 1891, to May 4, 1893.
FISCAL YEAR 189	2.
PETER H. TIERNAN, President. CHAS. A. ROLLERT, Member. GEO. HOLMFS, Member. †JOHN TAYLOR, Member. ‡JAS. H. OGLEBAY, Member.	Nov. 12, 1891, to May 4, 1893, April 28, 1892, to Aug. 9, 1892.
FISCAL YEAR 189	3.
PETER H. TIERNAN, President ARTHUR J. MASON, Member GEO. KUMPF, Member.	From April 18, 1892, term 4 yrs. April 22, 1893, to April 26, 1894.
GEO. KUMPF, Member.	April 25, 1893, to April 25, 1894. May 4, 1893, to May 25, 1894.
GEO. KUMPF, Member GEO. HOLMES, Member FISCAL YEAR 189	May 4, 1898, to May 25, 1894.
GEO. HOLMES, Member	4. From April 18, 1892-term 4 yrs. From April 25, 1894-term 2 yrs. From April 25, 1894-term 2 yrs.
FISCAL YEAR 189 PETER H. TIERNAN, President. Join C. Gage, Member. L. C. SLAVENS, Member.	4. From April 18, 1892-term 4 yrs. From April 25, 1894-term 2 yrs. From April 25, 1894-term 2 yrs. April 26, 1894, to Oct. 31, 1894. Nov. 30, 1894, to April 21, 1896.
FISCAL YEAR 189. PETER H. TIERNAN, President. Join C. Gage, Member. L. C. SLAVENS, Member. L. K. THACHER, Member. 3R. S. OWEN, Member.	4. From April 18, 1892-term 4 yrs. From April 25, 1894-term 2 yrs. From April 25, 1894-term 2 yrs. April 26, 1894, to Oct. 31, 1894. Nov. 30, 1894, to April 21, 1896. April 18, 1892, to April 20, 1896. April 25, 1894, to April 21, 1896.
FISCAL YEAR 189 PETER H. TIERNAN, President. JOHN C. GAGE, Member. L. C. SLAVENS, Member. ZR. S. OWEN, Member. FISCAL YEAR 189 PETER H. TIERNAN, President. JOHN C. GAGE, Member. L. C. SLAVENS, Member. L. C. SLAVENS, Member. R. S. OWEN, Member.	4. From April 18, 1892-term 4 yrs. From April 25, 1894-term 2 yrs. From April 25, 1894-term 2 yrs. April 26, 1894, to Oct. 31, 1894. Nov. 30, 1894, to April 21, 1896. April 18, 1892, to April 20, 1896. April 25, 1894, to April 21, 1896. April 25, 1894, to April 21, 1896. Nov. 30, 1894, to April 21, 1896. Nov. 30, 1894, to April 21, 1896.
FISCAL YEAR 189. PETER H. TIERNAN, President. JOIN C. GAGE, Member. L. C. SLAVENS, Member. L. K. THACHER, Member. JR. S. OWEN, Member. FISCAL YEAR 189. PETER H. TIERNAN, President. JOHN C. GAGE, Member. L. C. SLAVENS, Member. R. S. OWEN, Member. R. S. OWEN, Member. WGEO, J. BAER, Member.	4. From April 18, 1892-term 4 yrs. From April 25, 1894-term 2 yrs. From April 25, 1894-term 2 yrs. April 26, 1894, to Oct. 31, 1894. Nov. 30, 1894, to April 21, 1896. April 18, 1892, to April 20, 1896. April 25, 1894, to April 21, 1896. April 25, 1894, to April 21, 1896. April 25, 1894, to April 21, 1896. Dec. 4, 1895, to April 21, 1896. Dec. 4, 1895, to April 21, 1896.
FISCAL YEAR 189. PETER H. TIERNAN, President. JOHN C. GAGE, Member. L. C. SLAVENS, Member. J. K. THACHER, Member. JR. S. OWEN, Member. FISCAL YEAR 189. PETER H. TIERNAN, President. JOHN C. GAGE, Member. L. C. SLAVENS, Member. R. S. OWEN, Member. FISCAL YEARS 1896 ANGEO. S. GRAHAM, President.	4. From April 18, 1892-term 4 yrs. From April 25, 1894-term 2 yrs. From April 26, 1894-term 2 yrs. April 26, 1894, to Oct. 31, 1894. Nov. 30, 1894, to April 21, 1896. April 18, 1892, to April 20, 1896. April 25, 1894, to April 21, 1896. Dec. 4, 1895, to April 21, 1896. ID 1897. From April 20, 1896-term 4 yrs. From April 20, 1896-term 2 yrs. From April 20, 1896-term 2 yrs. From April 20, 1896-term 2 yrs.
FISCAL YEAR 189 PETER H. TIERNAN, President JOIN C. GAGE, Member L. C. SLAVENS, Member L. K. THACHER, Member FISCAL YEAR 189 PETER H. TIERNAN, President JOHN C. GAGE, Member L. C. SLAVENS, Member R. S. OWEN, Member FISCAL YEAR 189 PETER H. TIERNAN, President JOHN C. GAGE, Member FISCAL YEARS 1896 AN GEO. S. GRAHAM, President. GEO. J. BAER, Member GEO. J. BAER, Member GEO. J. HARDESTY, Member GEO. P. HARDESTY, Member	4. From April 18, 1892-term 4 yrs. From April 25, 1894-term 2 yrs. From April 25, 1894-term 2 yrs. April 26, 1894, to Oct. 31, 1894. Nov. 30, 1894, to April 21, 1896. April 18, 1892, to April 21, 1896. April 25, 1894, to April 21, 1896. Dec. 4, 1895, to April 21, 1896. Dec. 4, 1895, to April 21, 1896. From April 20, 1896-term 4 yrs. From April 20, 1896-term 2 yrs.
FISCAL YEAR 189 PETER H. TIERNAN, President. JOIN C. GAGE, Member. L. C. SLAVENS, Member. L. K. THACHER, Member. JR. S. OWEN, Member. FISCAL YEAR 189 PETER H. TIERNAN, President. JOHN C. GAGE, Member. R. S. OWEN, Member. R. S. OWEN, Member. FISCAL YEARS 1896 AN GEO. S. GRAHAM, President. GEO. J. BAER, Member. GEO. J. BAER, Member. FISCAL YEARS 1896 AN GEO. S. GRAHAM, President. GEO. P. HARDESTY, Member. FISCAL YEAR 1896	4. From April 18, 1892-term 4 yrs. From April 25, 1894-term 2 yrs. From April 25, 1894-term 2 yrs. April 26, 1894, to Oct. 31, 1894. Nov. 30, 1894, to April 21, 1896. April 25, 1894, to April 21, 1896. Dec. 4, 1895, to April 21, 1896. Dec. 4, 1895, to April 21, 1896. From April 20, 1896-term 4 yrs. From April 20, 1896-term 2 yrs. From April 20, 1896-term 2 yrs. From April 20, 1896-term 2 yrs. From April 18, 1898-term 2 yrs.

REPORT OF THE BOARD OF PUBLIC WORKS

OF KANSAS CITY, MISSOURI.

For the Fiscal Year Ending April 17th, 1899.

To the Honorable Common Council, Kansas City, Mo.

Gentlemen:—The Board of Public Works herewith respectfully submits its annual report for the fiscal year 1898 (from April 18th, 1898 to April 17, 1899.

The apportionment for the year was \$155,000.00; the unexpended appropriations brought over from the last fiscal year (1897) amounted to \$429.20; at the end of the fiscal year one cent (10), was transferred back to the General Fund, leaving a total of \$155,429.19 to be accounted for by the Board.

The total receipts and disbursements for the fiscal year were as follows:

RECEIPTS.

Apportioned by the Common Council		
	\$155,429	20
CONTRA.		
Amount transferred to General Fund	. 0	01
To be Accounted for	\$155,429	19
DISBURSEMENTS.		
Department	\$151,049	02
Appropriations, expenditures on account of	. 2,575	00
Total accounted for	5155,429	19

STEAM ROAD ROLLERS.

The expenses for rent of the Steam Road Rollers for the year, amounted to \$1,237.55.

The following table shows the expenses of the several departments of the Board of Public Works and the funds at its disposal, accounted for each year since its organization.

Expenditures of the Board of Public Works Department Since Organized.

Fiscal year ending in April	Board of Public Works	Engineer- ing depart- ment	Street and Alley depart- ment.	Building depart- ment,	Total	Funds at disposal of Board and accounted for
1830	\$ 6,658 78	\$71,863 36	\$83,392 28	\$17,868 87	\$179,282 74	\$269,814 57
1891	14,597 75	70,957 86	95,316 44	12,728 71	193,595 76	268,417 95
1892	10,947 76	56,354 03	86,409 76	7,871 47	161,583 02	223,882 08
1893,	9,274 28	57,858 11	80,507 88	7,382 81	155,022 03	177,090 74
	24,583 18	49,495 91	67,746 25	6,551 82	148,376 61	181,499 61
	9,857 67	43,059 70	79,219 15	5,790 57	137,936 09	148,848 17
	9,868 50	49,575 30	81,529 69	6,921 45	145,894 94	146,387 29
1897	13,452 36	42,125 06	66,701 77	6,810 00	129,089 19	132,594 11
1898	12,142 56	45,753 24	78,661 48	6,850 61	142,807 89	143,503 26
1899	8,683 19	49,524 05	84,382 89	8,458 89	151,049 02	155,429 19
Totals	\$120,065 88	\$534,566 62	\$803,267 09	\$86,737 70	\$1,544,637 29	\$1,847,466 92

PUBLIC IMPROVEMENTS.

Table "A" gives in detail the total amount of public work constructed through the Engineering Department, and the total expenses of that department since the organization of the Board of Public Works.

Table "A."

Expenses of Engi- neering De- partment	\$11,888 88 70,867 89 70,867 89 70,468 91 48,059 70 47,575 89 46,758 89 46,524 65	\$504,506 62
Total Amount of Work	\$800,380 88 573,100 15 483,181 15 301,207 39 810,185 76 570,810 84 877,680 02 607,018 07	\$40,931 78 \$6,780,805 39
Miscel- lancous Public Work	20.25.25.25.25.25.25.25.25.25.25.25.25.25.	\$10,931 78
Sprinkling and Cleaning	21, 286 22, 286 23, 286 24, 286 29, 286 29, 286 29, 286 29, 286 29, 286 20, 20, 20, 20, 20, 20, 20, 20, 20, 20,	\$98,716 86
Sewers O. K. Creek	\$80,811 04 61,114 52 41,838 77	\$215,388 05
Sewers	\$5,883.20 12,661.50 8,418.36 1,724.46 4,990.90 1,734.40 1,734.40 1,730.19 1,473.80	\$91,650 69
Sewers	\$140,657 27 116,150 39 10,452 09 20,855 88 20,856 80 11,601 91 118,125 88 118,725 82 4,477 92 4,477 92 4,477 92 4,477 92 4,477 92 4,477 92 82,477 92 83,477 92 84,477 92 85,477 92 86,477	965,522 57 \$687,864 26
Bridges and Viaducts	\$37,966 00 6,218 57 6,218 57 15,300 00 2,467 00	\$46,622.57
Sidewalk. Repairs.	\$6,000 \$7,200 \$7,200 \$7,200 \$7,200 \$7,000 \$7	\$119,292 96
Sidewalks. First Class.	\$22,000 47 92,004 81 02,248 86 27,564 88 27,564 88 21,967 90 4,664 90 40,240 91 80,885 15 100,686 11	\$627,645 37 \$119,982 90
Sidewalks. Plank.	20,881.04 11,080.11 28,080.08 8,080.08 8,080.08 8,080.09 1,071.11 1,011.08	\$141,080 06
Faving Streets and Alleys.	\$875,702 84 144,102 86 288,072 86 221,421 91 680,770 21 406,071 07 446,020 88 840,065 96 726,115 51	\$3,980,002 18
Curbing.	\$73,419 44 10,271 49 27,100 42 28,004 00 28,004 00 11,458 00 11,588 96 40,200 84 90,840 73 81,884 56	\$400,241 88
Grading Streets and Alleys.	\$100,731.71 58,700.331.71 58,700.36 17,965.63 12,800.70 12,800.44 28,160.12 31,654.44 31,654.44 31,658.64 31,659.10 31,659.10 31,659.10 31,659.10 31,659.10	Cotal \$408,759 46 \$409,241 88 \$5,980
Fiscal Year Endi'g April.	1880 1861 1861 1865 1865 1866 1867 1867 1868	Total

The mileage and cost of each kind of pavement is as follows:

Materials.	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd.
Asphalt—Trinidad Lake Asphalt—American Bitumin-	54,890.68	10.3	204,987.20	\$434,961.25	\$2.12
ous Rock	24,212.00	4.59	75,865.50	158,267.45	2 10
Brick	30,126.04	5.71 0.19	86,070.70 6,780.80	127,950.46 6,984.25	1 48
		1000	3,1,53,150	3,000,000	
Totals	109,768.42	20.52	373,154.20	\$728,118,41	

The work completed during the fiscal year through the Engineering Department cost \$1,026,530.83, and the expenses of the Department for all purposes were \$49,524.05.

The paving and re-paving of streets cost \$712,693.58, and of alleys, \$15,419.83, a total of \$728,113.41.

The following tables show the mileage and cost of all street paving work constructed from 1889 to 1897, inclusive, and kinds of material used:

Commencing January 1, 1889, and Ending May 9, 1889.

Material Used	Lineat Feet	Miles	Square Yards	Cost	Average Cost per Square Vd.
Asphalt	2,570,00 1,027.00	0.486 .194	7,645.63 4,098.70	\$21,407 76 2,746 18	\$2 80 67
Totals	3,597.00	0.680	11,744.33	\$24,153 80	

Commencing May 9, 1889, and Ending April 30, 1890.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Vd
Asphalt Cedar Blocks Granite Blocks Brick	10,761.30 37,674.97 1,178.00 3,525.00	2.01 7.135 .222 .667	40,244.27 146,772.14 5,079.57 13,256.72	\$112,683 96 208,607 08 16,527 42 27,056 36	\$2 80 1 421 3 253 2 041
Totals	58,187,27	10,061	205,852.70	\$564,874.82	

Commencing April 30, 1890, and Ending April 20, 1891.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Vd
Asphalt	4,752.00 14,901.70 546.00 2,655.80	0.90 2.82 .10 .50	17,680,60 50,391,60 2,765,00 7,915,80	\$ 48,890 92 71,160 78 1,161 30 23,074 89	\$2 765 1 412 42 2 915
Totals	22,855,50	4.82	78,756.00	\$144,587 89	

During Fiscal Year Commencing April 20, 1891, and Ending April 18, 1892.

Material Used	Lineal Peet	Miles	Square Yards	Cost	Average Cost per Square Vd
Asphalt	15,126.00 6,682.50 8,825.80 774.30 1,034.20	2.86 1.17 1.67 .14 .46	57,110.89 24,079.80 31,253.50 3,054.70 4,572.90	\$144,218 71 40,390 62 32,839 91 7,859 91 6,767 89	\$2 526 1 677 968 2 573 1 48
Totals	32,712,80	0.20	123,071.79	\$232,157 04	

During Fiscal Year Ending April 17, 1893.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Vd.
Brick	9,531,95 12,394,15 14,618,06	1.80 2.35 2,62	34,829,30 48,163,80 50,207,70	\$ 57,557 74 124,117 04 37,510 40	\$1 649 2 576 747
Totals	36,572.16	6.77	133,200.80	\$219,185 24	

During Fiscal Year Ending April 16, 1894.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd.
Asphalt	29,096,10 18,958,15 32,116,10 2,250,00	5.51 3.59 6.08 ,42	99,443,50 74,001.60 118,962.60 9,907,50	\$257,080 IIS 63,945 47 196,184 95 6,265 88	\$2 285 864 1 847 60
Totals	82,420.35	15.60	302,845.20	\$522,000.05	

10 ANNUAL REPORT OF THE BOARD OF PUBLIC WORKS.

During Fiscal Year Ending April 15, 1895.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd.
Asphalt—Trinidad Lake	27,221.70 6,837.60 329.50 13,131.40 2,068.15	5.16 1.29 0.06 2.49 0.39	118,460,26 21,772.00 1,238.80 45,977.80 8,481.60	\$308,754 62 19,587 02 3,077 84 61,914 79 9,689 93	\$2 64 899 2 47 1 346 1 05
Totals	49,588.85	9.39	195,930.46	\$403,024 20	

During Fiscal Year Ending April 20, 1896.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd.
Asphalt—Trinidad Lake Brick Macadam Stone Blocks. Cedar Blocks.	34,717.75 10,157.70 12,268.99 1,487.70 600.50	6.57 1.92 2.32 0.28 0.11	129,612,78 35,486.40 55,739.20 6,885.00 1,762.00	\$129,791 36 48,719 25 49,814 42 9,635 83 1,978 44	\$2 544 1 307 894 1 40 1 12
Totals	59,282.64	11.21	227,485.38	\$439,934 30	

During Fiscal Year Ending April 19, 1897.

Materials	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd,
Asphalt	44,420.30 23,294.00 24,126.50 289,20	8.41 4.47 4.57	156,056.80 82,703.60 121,842.60 402.10	\$340,498 60 117,671 27 78,960 04 1,045 96	\$2 181 1 424 645 2 80
Totals	92,110.00	17.45	361,005.10	\$538,155 84	

During Fiscal Year Ending April 18, 1898.

Materials	Lineal Feet	Miles	Square Yards	Cost		Average Cost per Square Yd.
Asphalt—Trinidad Lake Asphalt—American Bitumin-	13,672.20	2,59	43,492.70	\$ 91,895	76	\$2 12
ous Rock	10,019,10 29,877.48	1.90 5.65	34,447.90 92,172,90	70,248 129,810		2 04
Macadam	14,806.10	2.80	55,392.00	58,000		1 05
Totals	68,374.83	12.94	225,505.50	\$349,955	96	

The aggregate mileage of paved streets is as follows:

Material Used	Total Miles	Increase during year.	Decrease during year replaced by other pavements	
Asphalt. Vitrified Brick. Celar Blocks. Stone Blocks. Macadam.	61.00 27.76 8.46 2.25 51.92	21,12 4,82 .13 81,16	5.82	
	151.28	Net 5L41		

With the close of the fiscal year, the public work under contract amounted to \$411,598.02 as follows:

	Asphalt,	8. 0	ontracts	approximate	cost.	s129.676.04
W. too	Brick Sts.,	7.	**	11	11	23,960.04
Paving -	" alleys,	1,	41	11	66	578.80
	Macadam,	5,	18.6		++	74,578.50
						\$228,793.38
Charles	Nat. stone,	9,	11	44	- 61	\$ 7,723.31
Curbing	Nat. stone, Artif. "	3,		1.1	16	28,149.60
						35,872.91
	(Nat. stone,	8.		46	44	\$ 5,406.37
Sidewks -	Artif. "	9.	44	11	24	50,918.39
	Brick	8, 9, 7,	4.4	**	4.4	5,131.31
						61,456.07
- 11	Streets.	21,	**	11	**	\$ 43,576,69
Grading	Streets, Alleys,	8,	44	44	44	1,087.17
						44,663.86
Sewers,		2.	44	44	44	40,387.85
Plank Si	dewalks,	2,	61	**	**	643.95
						\$411,598.02

Certificates of special taxes against City property for improvements were issued to the amount of \$1,414.58 during the fiscal year.

Special tax bills were issued to the number of 16,402. Objections to them were filed in but 40 cases.

LIGHTING STREETS.

At the close of the fiscal year there were 1,987 gas lights, 1,462 gasoline lights and 227 electric lights in service, an increase of 334 gas lamps and 11 electric lights, and a decrease of 76 gasoline lamps during the year.

The city paid \$12.00 each for gas lights (moonlight schedule), \$110.00 each for electric (arc) lights (all night schedule), and \$17.00 each for gasoline lights (moonlight schedule) and the total cost of street lighting for the year was as follows:

Kansas City-Missouri, Gas Co		
F. K. Hoover, gasoline lights		
Total	and the latest the latest	
Cost Street Lighting Fiscal Year, 1893	\$68,929	10
*Cost Street Lighting Fiscal Year, 1894		
*Cost Street Lighting Fiscal Vear, 1895		
Cost Street Lighting Fiscal Year, 1896		
Cost Street Lighting Fiscal Year, 1897	63,920	97
*Certain deductions made to bring the cost within the apportionment for the y	rear.	

WATER WORKS.

The city has received during the year, revenue from the water works to the amount of \$410,570.29, and with the balance of \$121,693.12 from last year, makes \$532,263.41 to be accounted for.

The total operating expenses of the department, including the extension of mains, betterment of plant and expenses of the office of Assessor and Collector of Water Rates, were \$354,553.00. This also includes the sixth and seventh semi-annual payment of interest on the \$3,100,000.00 of water works bonds amounting to \$138,195.00; the appropriations for extension of mains and betterment of plant amounted to \$86,072,22 and a balance of \$177,710.41 remains in the hands of the City Treasurer.

The Total Receipts and Disbursements of Water Works Department for the Fiscal Year 1898, Were as Follows:

RECEIPTS.

7/3/7/3/3/3/3/3/			
Water Rates	\$142,998	78	
Meter Rates,	246,045		
Building Permits	5,910	02	
Special Permits			
Deposits	2,957		
Corporation Cocks	1,663	00	
Meters Set	1.829		
Meters Repaired	2,091	08	
Meters Sold	1,146	50	
Fines			
Miscellaneous	3,910	69	
Comptroller's Receipts	5,117	64	
Total Gross Receipts.	4414.957	45	
Less Water Rates Rebated2,005 91	5414,001	40	
Less Deposits Returned2,381 25	4,387	16	
	-100.	-	
Net Receipts	\$410,570	29	
Balance with City Treasurer from 1897	121,693	12	\$532,263 41
		-	
DISBURSEMENTS.			
Superintendent and Engineer's Office	\$7,903	02	
Street Department,			
Inspection Department	12,832	76	
Meter Department			
Betterment of Plant	8,849	82	
Turkey Creek Pumping Station	37,280	54	
Quindaro Pumping Station		50	
Miscellaneous Expenses	6,345	87	
Assessor and Collector's Office	11,136	89	
Interest on Bonds	138,195	00	
Appropriations	77,222	40	
Barn			
Construction to be repaid	1,545	21	
Total Disbursements	4954 559	00	
Balance with City Treasurer to 1899			\$532,263 41
The state of the s	W. S. S. S. S. S. C.		Thomas and The

The accompanying reports of the City Engineer, Superintendent of Streets, Superintendent of Buildings, and Superintendent of Water Works Department are complete in detail and in summary, and many of the suggestions and recommendations set forth are entitled to, and should receive careful consideration.

THE BOARD OF PUBLIC WORKS,

GEO. S. GRAHAM, President.
GEO. P. HARDESTY,
M. V. WATSON,
B. T. WHIPPLE,

Members.

April 17th, 1899.

SECRETARY'S REPORT.

STATEMENT OF BOARD OF PUBLIC WORKS FUND.

For the Fiscal Year Ending April 17th, 1898.

Appropriations from last fiscal year, 1898			
	5	155,429	20
CONTRA.			
Amount transferred to General Fund			01
Balance to be accounted for	-		\$155,429 19
EXPENSI	ES.		
BOARD OF PUBLIC	Works.		
Pay Rolls, Members and Clerks	8 199 00		
Miscellaneous Expenses	1 012 55		4
Miscellaneous Expenses	1.237 55		
Total	\$	8,683	19
Engineering Dep	ARTMENT.		
P P-W- 6 D	45 000 70		
Pay Rolls for Department	938 48		
Abstracts for Grading and Condemnation	000 10		
Plats	2,259 40		
Miscellaneous Expenses	942 44		
Total	\$	49,524	05
STREETS AND ALLEYS	DEPARTME	NT.	
Pay Rolls for Department			
Pay Rolls for Horse Hire and Keep	1,404 81 4,113 28		
Materials for Repairing Streets Materials for Repairing Sewers	3,986 79		
Materials for Crosswalks, Bridges, &c	4,158 04		
Miscellaneous Expenses	2.937 12		
Total\$			
BUILDINGS DEPAR	RTMENT.		
Pay Rolls for Department	9 181 00		
Miscellaneous Expenses	207 80		
Total		8,458	80
		0,300	00
APPROPRIATIO	ONS.		
Expended under Appropriation\$	1,722 81 9	1.722	81 152,771 83
Balance unexpended and forward			
to fiscal year, 1899			2,657 36

Fiscal Year 1898. Board of Public Works Department.

	-sid latoT etu-m-setud	### ##################################	\$152,771 88
	Expended under Appropriation and Condem- nations	20, 120 to 12 12 12 12 12 12 12 12 12 12 12 12 12	\$1.722 KI
	Total Expenses	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	इ.स.च्या का इति,वस्त व्य
	Steam Kollers	15 15 15	S. 732.19
nents.	egnibling Insmrnged		₹ 6.
Disbursements	sleets syalfA bus hommaqoQ	がスススにもによった。 でを全体で対象を変数を がなれる。 のではない。 のでは、 のでは、 のでは、 のでは、 のでは、 のでは、 のでは、 のでは、	₹ %: 7.
- !	Епgineering Department	2014 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	\$19,524 05
	Board of Public Works	夏代亞亞高爾太里達得2 第代西亞高爾太里達得 第代西亞高國大里 第四日 第四日 第四日 第四日 第四日 第四日 第四日 第四日	F 511.72
	Month 146	April 18:30 May May June June June Surger Coctober November Ibevenuler Ibevenuler Isonary February March April 1-17	Totals

Fiscal Year 1898. Board of Puble Works.

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slatoT	\$210 00 112 85 621 10 00 682 10 00 682 10 00 682 10 10 10 10 10 10 10 10 10 10 10 10 10	\$7,445 64
Gas Governor Rentals for Police Department	18 00	18 915
Repairing Side- walks, Indiana 12th to 14th	48.49	\$163 49
Re-setting Curbing	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	\$2 00
Brook street Wall and Sidewalk	98 90 98 72 98	\$132 30
Street Sprinkling	528222 88888 88888	\$67.9 55
Office	80 8 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	\$19 60
Pay		\$6,432.00
Month 1868	April 18-20 May June June July August September October Dovember January, 1899 Jebruary March	Totals

Fiscal Year 1898. Engineering Department. Disbursements.

slatoT	######################################	\$19,521 05
Re-setting Curbing	± €.	£ 17.
Testing Brick	8 8	8 21
eoffqua eoffqqua	88848788 8 6 888487 8 4 7 8	
Stakes and Field Supplies	88 88 8 8 88 92 2 8	≘ 23.
Furniture and Schairs	- 14 12 8 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1 5 2 5
bun sloo'f sinomurisul	5 : 발 :	કું કાલ લવ્યું
Blue Prints	8 8 8 = 7 9	:1 2.
Apstracts and noitemental	88887488 87 88587488 58	01 657 7
eriH erioH	ប្នេងខ្លួនខ្លួនខ្លួន ក្នុងខ្លួនខ្លួនខ្លួនខ្លួន	st state
kay Rolls	8489463899 648946389 5648946389 5648946389	का इसाई का इसाई इन नहीं हैं जो ईसा है को नहीं है अ अबड़े हुई इन्हें हैं।
Month 140x		
	il 1859 ust comber comber ember ember ember ember ember ember	Fotal*

Fiscal Year 1898. Streets and Alleys Department. Disbursements.

slatoT	82,645 22 8,644 52 8,644 57 7,118 86 7,622 02 7,622 02 7,622 02 7,622 02 7,623 17 7,630 17 7,630 17 7,640 18 7,640 18 7,640 18 8,641 84 8,641 84	384,082 80
Vault	00 00 sa	\$31 60
Tools and Tools and Hardware	######################################	\$1,977 98
Repairs	8 1 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	\$608 17
Ottoe Supplies	89 11 89 12 88	22 22
Furniture	\$15 00	\$12 00
Watehouse	12 88 55 12 85 55 55 55 55 55 55 55 55 55 55 55 55	\$278 62
prey yiqque		
Bridges and Crosswalks	28 28 28 28 28 28 28 28 28 28 28 28 28 2	\$4,158 04
Streets	88.88 82.82 82.62 198.62 198.72 198.72 198.72 198.72 198.73 198.7	81,113 28
Sewers	######################################	88,986 79
Horses gesh bna	25 25 25 25 25 25 25 25 25 25 25 25 25 2	\$1,404 81
Pay Rolls	21, 586, 78 -1,586, 78 -1,586, 78 -1,736, 58 -1,736, 58 -1,236, 58 -1,236, 58 -1,336, 58 -1,36 -1,366, 58 -1,366, 58	\$67,782 85
Month 1808	tpril 18-30 day une une univ ungust september september sortober sortober anuary, 1890. anuary, 1890. darch tpril 1-17.	Totals

Fiscal Year 1898. Buildings Department. Disbursements.

Month 188	Pay Rolls	Type. writer	Office Supplies	Blue	Badges	Totals
April 18-30 May June July August September October November December January, 1899 February March April 1-17	\$256 60 578 73 570 13 573 73 674 13 760 93 716 58 717 73 780 73 764 93 775 93 980 17		\$1 00 75 9 53 138 86	25 000	\$1.50	\$256 60 577 64 571 13 573 73 670 63 760 93 746 53 748 48 780 73 716 46 640 33 914 19
Totals	\$8,161 00	\$117 00	\$150 14	5 29 25	51 50 i	р ијали ио

Fiscal Year 1898. Steam Roller Expenses. Disbursements.

Month 1668	Pay Rolls	·Coal	Supplies	Repairs	Rent	Totals
April 19-30					\$1,217 56	\$1,287 55

Statement of Special Appropriations, For the Fiscal Year 1898.

Amount A	Balance Unexpended	25,590 00 75 00	\$2,575 00	\$4,529.20	1,954 20	\$2,575 00
To constru To constru To constru To constru To constru To constru To constru To constru To constru	Amount Charged Back		का अन्	The Control of the Control	231 39	SAN BEST STREET, ST.
To constru To constru To constru To constru To constru To constru To constru To constru To constru		######################################	\$1,722 81	*************	1,722 81	tremperation of
To constru To constru To constru To constru To constru To constru To constru To constru To constru	Appropriati'ns and Balances	\$100 00 \$25 00 \$	\$4,529.20	\$4,529 20		And the State of t
	CONTRACTS.	To con To con To con To con To con To con To con		Total appropriations (and balances) to be accounted for sassasses	Total expenditures for fiscal year 1808. Total unused balances charged back to fund Total to be deducted	Unexpended balances over to fiscal year 1800

Receipts of Water Department.

Classified Table of Receipts of Water Department from the time (September 1, 1895) the City took possession.

Flecal Year Ending	Water	Meter	Building Special Deposits tion Permits Permits Deposits tion	Special Permits	Deposits	Corpora- tion Cocks	Meters	Meter Repairs	Meters	Fines	Miscella- neous	Interest and Miscel- laneous	Rebites and Deposits Returned	Deposited with City Treasurer
April 20, 1846 April 19, 1867 April 18, 1848 April 17, 1899	\$65,645 11 132,561 45 130,001 52 142,958 78	\$119,801 d 218,736 8 28,128 8 246,045 8	\$2,574 8,624 68 4,894 76 6,910 92	1,455 13 2,069 96 1,128 94	86,422 05 5,708 80 2,856 95 2,957 00	\$ 648.35 1,042.30 1,890.30 1,663.00	\$1,206.72 1,607.38 2,209.88 1,829.95	8 573 75 1,198 46 986 55 2,081 08	81,181 (0 8,804 50 8,427 50 1,146 50	\$ 421 087 00 256 00 168 00	8 42.774 45 81.140 82 87,422 65 8 648 35 81.240 72 8 673 75 81.131 (0 \$ 421 (0 \$88.291 70 \$88.907 70 \$88.007 81 1.007 38 1.108 86 53 8,427 50 541 (0 28.92) 1.607 38 1.108 86 53 8,427 50 560 (0 28.92) 1.619 47 1.629 69 2.206 59 2.206 58 2.207 (0 28.92) 1.649 60 2.206 58 2.207 (0 28.92) 1.62 (0 28.92) 1.62 (0 28.92) 1.649 60 2.206 58 2.207 (0 28.92) 1.62 (0 28.92) 1.62 (0 28.92) 1.63 (0 28.92) 1	8 988 07 1,619 47 9,165 58 9,117 64		\$ 828 35 \$307,225 10 8,245 15 867,145 71 4,587 16 410,670 24
Totals	\$510,286 84	\$518,257 15	\$10,501.06	86,759 60	\$18,430 70	80,153 05	96,853 93	\$1,849 S7	SR,000 50	81,474 00	\$108,656 84	\$9,778 71	\$12,003 10	\$518,257 15 \$10,604 00 \$5,752 60 \$18,430 70 \$5,123 05 \$6,853 03 \$4,840 87 \$0,000 50 \$1,474 00 \$108,600 84 \$0,773 71 \$12,003 10 \$1,502,007 43

Expenditures of Water Department.

Classified Table of Expenditures of Water Department from the time (September 1, 1895) the City took possession.

Totals	\$1.00,399 52		CON CO \$11,500 47 \$121,607 35 \$885,011 45 \$10,080 27 \$40,224 CO 417 22 \$480,202 50 \$150,000 CO \$180,440 10 \$4,500 60 \$1545 21 \$1,324,347 CD
Construc- tion to be Repaid	Formerly included in Street Depart- ment.	\$1,545 21	\$1,545 21
		\$1,500 63	\$4,500 63
Sinking Appropriations to Fund Mains, etc.	11. 12. 11. 11. 11. 11. 11. 11. 11. 11.	77,222 40 \$4,500 63	\$186,440 10
Sinking Fund	\$40,000 00	90,000 00	\$150,000 00
key Quindaro Miscel- and Col- Rebutes Interest Sir ping Pung lancous lector of and and an Bouds Fitten Refunds on Bouds Fitten	\$60,750 to 129,500 00	138,156 00	\$480,202 50
Rebates and Refunds	8 THE SE	89 99	417 22
Assessor and Col- lector of Water Rates	\$8,340 60 11,137 11	11,136 89	\$40,224 00
Miscel- laneous Exp'nses	\$4,012 85 4,001 58	6,345 S7	819,085 27
Quindaro Pumping Station	\$15,894 65 21,628 27	28,070 180 28,044 70	\$8,011.48
Turkey Creek Pumping Station	97 019,112 07 119,111	11,200 52	\$131,607 38
Better. ment of Plant	\$4,914.64	8,005 30 8,819 8,	\$51,836 47
Meter Depart- ment	8.3	22	10 150/218
Street haspec. Meter Depart, tion De- Depart- ment partment ment	\$4,000 At \$8,005 50 \$5,001 50 8,011 40	12,465 fe 12,882 78	\$28,800 17 \$48,000 Th \$38,401 III \$47,0
Street Depart- ment	88, 128, 521 52, 525, 531	11,517 84	\$18,000 Th
Superin- tendent and En- gineer's Office	\$4,950 KG 8,935 17	8,045 tb	\$28,800 17
Fiscal Year Ending	pril 20, 1836	April 15, 1808	-slabo

Fiscal Year 1898. Department of Water Works. Receipts Classified.

00	603 00 \$1,829 95 \$2,091 08 \$1,146
25 25 26 26 27 28 28 28 28 28 28 28 28 28 28 28 28 28	23 94 \$2,957 00 \$1.
88. 00 and 88. 30 and 88. 31 and 88. 32 and 38. 32 and 38. 33 and 38. 34 and	045 85 \$5,910 02 \$1,123
8,8778 71 1,865 69 1,460 21 1,657 84 1,657 87 1,657 87 1,169 29 1,169 29 1,169 29 1,169 29 1,169 29 1,169 29 20,80 80 80 80 20,80 80 80 20,80 80 80	\$142,908 78 \$246,0
	2.0 2.0 88.0 7.1 0.0 61.00 89.0 2.1 18.5 3.7 6.0 12.0 11.0 0.0 14.0 5.2 2.1 18.5 3.7 6.0 13.7 80.0 11.0 0.0 14.0 5.2 2.1 18.5 3.7 6.0 13.7 80.0 21.4 40.0 14.0 5.2 29.0 2.1 18.5 3.1 6.7 80.0 21.4 40.0 11.6 90.0 21.9 10.0 11.6 90.0 21.9 10.0 11.6 90.0 21.9 10.0 11.6 90.0 21.9 10.0 11.6 90.0 11.6 90.0 11.6 90.0 11.6 90.0 11.6 90.0 11.6 90.0 11.6 90.0 11.6 90.0 11.6 90.0 11.6 90.0 11.6 90.0 11.6 90.0 11.6 90.0 11.6 90.0 11.6 90.0

Fiscal Year 1898. Department of Water Works. Expenses Classified.

Totals	50, 57, 57, 57, 57, 57, 57, 57, 57, 57, 57	\$854,558 to
Construction to be Repaid	25 25 25 25 25 25 25 25 25 25 25 25 25 2	\$1,545 21 \$8
пля	28 28 28 28 28 28 28 28 28 28 28 28 28 2	\$4,550 82
-aliqoiqdA suoli	20 20 20 20 20 20 20 20 20 20 20 20 20 2	\$77,229 At
Saldals bun't		oriente.
Interest on Bonds	888,007 Se 60,007 Se	\$138, 195 00
Rebates and Refunds		
Assessor and Collector's Office	200 200 200 200 200 200 200 200 200 200	S7 \$11,136 S0
Miscellancous Expenses	第2日書籍記録 第2日書籍記録 第2日書書 第2日書書 第3日書書 第3日書書 第3日書書 第3日書書 第3日書書 第3日書書 第3日書書 第3日書書 第3日書書 第3日書書 第3日書書 第3日書書 第3日書書 第3日書書 第3日書書 第3日書書 第3日 第3日書	96,845 ST
orabaino gaigmrí nothas	\$504 to \$1,595 to \$1,595 to \$1,595 to \$1,595 to \$2,500 to \$2,500 to \$1,500 t	\$28,044 36.
Turkey Creek Pumping Sta- tion	21, 22.8 (2.9 (2.9 (2.9 (2.9 (2.9 (2.9 (2.9 (2.9	30 (82,718
Betterment of Plant	24 50 50 50 50 50 50 50 50 50 50 50 50 50	88,849 R2
Meter Depart-	### 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$11,080 OZ
Inspection Department	\$200 11 120 22 11 120 22 11 120 22 11 120 22 11 120 22 11 120 22 12 120 22 12 120 22 12 120 22 120 12 120 12 120 12 120 12 120 120	12,832 76
Street Depart-	\$250.00 TO	# 2 115,111
Superintend- ent and Engi- neer's Office,	2012 SS 82 82 82 83 83 83 83 83 83 83 83 83 83 83 83 83	# 718,118 20 mm,78
Month	April 18-20 May June June July Angust Angust September October Ignusty, 1800 Jennary, 1800 Jennary, 1800 March	

APPROPRIATIONS For Extension of Water Mains and Improvements.

No. of Ordinance						
io ii	0		Appropri-	Amount	Amount	Balance
133	1	Location of Main or Improvement	ations and	Ex-	Charged	Unex-
25	Folio	apolition of milition amprovement	Balances	pended	Back	pended
2.5	-		Dillines	Parities		fremuca
0						

7745	32	Pumping Engine at Turkey Creek Sta	\$7,461.56	\$5,022 94	A DE CONTRACT	\$2,488 62
8244	41	White Thor Done in	2,958 77	2,742 04		210 83
8348		Main on Lydia, 17th to 18th	440 24		\$140 24	Stales and
9304	79	Summit, 20th to 21st	556 04	3 45	552 59	
9335	8)	zord, partimore to main	167 00	94 50	167 00	Accessors.
9372	81	Harrison, 29th to 31st.	952 65	3.5		******
9373	82	Michigan, 2010 to 224 ft north.	165 00	38 62	165 00	(1))))
9409		w Frospect, and to atth	539 67		501 05	HIXKIIH
9410		Porest, 18th to 820 It Horeit.	197 28	000 50	197 28	200011111
9452 9494	85	Main on Harrison, 31st to 32nd	1,014 06 918 00	997 73 214 85	16 33 703 15	7 6 9 11 12 12 2
	86	" 20th, S W B'Iv'd to Broadway	508 63	236 00		TAT HISTORY
9530		" 14th, Garfield to Park	468 63	200 00	302 63 468 63	1444-000-
9572	90	" Indiana, 7th to 9th	754 00	222 75	531 25	Attendants.
		rindiana, thi to other the		166 60		370 00100
9578		" Vine, Linwood to Springfield	316 00	100.00		
9574	92	" 14th, Woodland to Garfield	804 20	146 55	804 29	STREET
9655		" Olive, 30th to 31st	617 00	146 55	470 45	Tellan.
9656		" Holly, 18th to 19th	1,125 51	491 55		Charles and
9657	95	zord, tracy to Lydia	549 00	158 80	390 20	
9689		brooklyn, Anne to Minnie	581 42	149 05	382 37	
9702		Contege, 12th to fother ever era	1,074 73 280 41	309 00 93 50	765 78 186 91	
9708 9704	98	20th, Brooklyn to Park		166 30		*****
9716		" Euclid, 30th to 31st " 23rd, Grand to Main	648 00 802 74	264 84	476 70 538 40	
9717		" Wabash, 29th to 30th	528 27	190 65		
9718		" 2nd, Main to Walnut	468 68	26 80	1000	4.1 88
9719		" Montgall, 22nd to 25th	1,348 31	400 50		711 00
9720		" Wabash, 23rd to 26th	1,592 16	543 00		
9721		" Brooklyn, 17th to 18th	691 00	196 90		
9738		Repairs to Quindaro Basins.	1,000 00	999 40		
9740		Main on Pacific, Campbell to Troost	530 02	160 00		*********
9787		" Baltimore, 39th to Westport	819 89	231 15		588.74
9753		" Askew, Independ, to Norledge		1,251 90		000 11
9817		Engine and Dynamo at Turkey Creek	1,115 00	1,115 00		
9855		Main on Montgall, Independ. to 5th	987.00	494 90		
9880		Purchase of Pipe	8,800 00	2,800 00		
9950		Main on W Prospect, 21st to 20rd	894 00	844 75		
10055		Repairs to Gaskill Engine at Turk, Ck	9,154 00	6,885 65		
10096		Repairs to Quindaro Basins	10,000 00	10,000 00		2,200 00
10120		Main on Smart, Indiana to Askew	900 00	288 10		
10121		" Gillis, Missouri to Pacific	200:00	125 10		
10122		Main on Baltimore, 34th to 35th	981 00	382 86		
10123		" Grove, 6th to 8th	452 00			452 60
10124		34th, Main to Baltimore	840 00	140 55		102 00
10125		" 6th, Grove to Highland	540 00	240 000	200 40	540 00
10126		" 17th, Wooland to Michigan	220 00	64 75	155 95	910 00
10250		" Vine, 14th to 15th	309 37	95 82		
10251		" 10th, Bellefontaine to Bales	1,362 00	417 25	914 75	egel see
10348		Woodland, 34th to 39th	3,227 00	1,188 01	2.038 99	ALBERTIES.
-0.10		A Committee of the Comm	0,201 00	44.00 (1)	2,000 00	
-						

APPROPRIATIONS.—Continued. For Extension of Water Mains and Improvements.

No. of Ordinance Folso	Location of Main or Improvement	Appropriations and Balances	Amount Ex- pended	Amount Charged Back	Balance Unex- pended
10540 126 12	Monroe, Independ. to Smart. Purchase of Pipe. Main on Harrison, 21st to 24th. Harrison, 18th to 19th. Garner, Indiana to Bales. Smart, Askew to Monroe. Howard, Vine to Michigan. Montgall, 12th to 14th. Thompson. Indiana to Askew. Askew, 12th to 15th. 11th, Santa Fe to 115 ft west. Wabash, 20th to 28th.	1,335 67 719 00 605 28 747 05 653 00 1,742 00 20,000 00 1,538 11 2,260 00 400 00 400 00 400 00 424 00 425 00 900 06 2,981 03 256 00 1,300 00 1,000 00 4,000 00 4,000 00 4,000 00 4,000 00 4,000 00 4,000 00 1,000 00 4,000 00 1,000 00 4,000 00 1,000 00 4,000 00 1,000 00 4,000 00 1,000 00 4,000 00 1,000 00 4,000 00 1,000 00 4,000 00 1,000 00 4,000 00 1,000 00 4,000 00 1,000 00 4,000 00 4,000 00 1,000 00 4,000	618 17 2,011 95 98 00 681 81 4,600 00 885 15 150 00 200 00 147 00 301 20 270 40	499 00 403 38 523 50 1,229 61 1,145 16 1,182 78 347 05 597 30 87 67 470 50 402 50 286 83 969 05	047 52 562 00 332 88 158 00 618 16 164 85 250 00
1115x 120 1119x 100 1119x 101 1122x 102 1125x 101 1125x 102 1125x 103 1125x 103 1125x	" 31st, Prospect to Chesnut. Drinking fountain, St. Louis & Genessee Main on Olive, 28th and 30th. " Tracy, 33rd to 34th. " Forest, 33rd to 34th. " Bird, Troost to Tracy. Drinking fountain at 38th & Woodland Main on Garfield, 15th to 19th. Repairs to Holly st Reservoir. Main on Tracy, 17th to 18th. " Virginia, 15th to Tracy. " Kansas, 21st to Belt Line. " Thompson, Askew to Monroe. Anderson, Indiana to Askew. " Ind. Norledge to Gladstone Bl.	\$70 00 75 10 1,281 68 650 00 630 00 1,300 00 1,300 00 1,000 00 580 00 1,187 00 1,290 00 555 00 940 00 550 00 2,650 00	2 54 253 00 422 15 65 07		570 00 72 46 650 00 630 00 640 00 75 00 877 85 1,930 00 4,934 93 580 00 1,180 00 530 00 540 00 540 00 540 00

Respectfully submitted,

R. M. GODFRAY, Secretary.

PURCHASING AGENT'S REPORT.

Statement of Stamps Purchased for the Different City Departments for Fiscal Year Ending April 17, 1899.

\$70 55 \$133 00 \$8.6 00 \$142 00 \$64 00 \$6.66 00 \$2 00 \$12 00 \$2 00 \$12 00 \$142		06-81 lingA	May	əunf	Alul	August	September	October	Хочетьет	December	Vanuaty 1809	Реблияту	Матећ	71-1 lingA	Total
Or. 1 100 2 101 2		F	12	1 8	3	000 6918	264	30	#158 (N	2	198	#157 m	100	9	- G TE 18
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Ks. 2 (6) 2 (7) 3 (7) 1 (6) 2 (7) 2 (9) 2 (9) 2 (9) 2 (10)		£	es Fe	7	3	3	3		3			÷	2	2	ii Si
Ks. 2 (0) 7 50 1 00 4 00 5 00 5 00 5 00 5 00 5 00 5				Ê	200	3	3			3		7	90 7	24	줐
Ks. 1 (1) 2 (1) 57 (1) 1 50 7 (1) 5	,		-:		3	- '	:	:	Š	=		-			9
Ks. 2 (4) 52 (9) 75 (9) 7 (9) 5 (9) 7 (9) 5 (9) 5 (9) 5 (9) 6 (9) 5 (9) 6 (9)		£		-1 5.		- (H)	:::::::::::::::::::::::::::::::::::::::		Ē	:		2	Ē		24
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12 1936 17 1916 N. 1866 N. 1876 11 11 11 11 11 11 11 11 11 11 11 11 11														- 1	
		₩287 40	218 73	71 11	300	5 557	6 151 6 0	30 74	20 22	2 2.7 2. 2 2. 2 2.	\$285 G	- H - H - H - H - H - H - H - H - H - H	£ # # # # # # # # # # # # # # # # # # #	₩ 55.50 ₩ 55.50 ₩ 55.50	€3,647 16

STATEMENT OF PURCHASES

For the Different Departments for the Fiscal Year Ending April 17th, 1899.

Totals	8 5,386 08 21,285 78 12,285 78 20,568 60 21,778 40 27,778 77 15,778 51 15,778 51 15,778 51 14,775 64 8,017 89	\$202,987.36
Park	######################################	8 a.271 86
Department Water	\$1,280.70 10,286.70 11,280.80 11,280.80 10,510	\$101,983 34 \$ 3,271
Building	88 8 11 8 88 11 8 8 8 11 8 88	SOUT B
Street	25.00 25.00	8 3,902 78 8 4,140 32 \$ 16,600 04
Engin- eering Dept.	# # # # # # # # # # # # # # # # # # # #	\$ 4,140 22
Board of Public Works	## ## ## ## ## ## ## ## ## ## ## ## ##	8 3,902 78
Expense	2000年 2	\$11,840 26
Printing and Stationery	200 10 20 20 20 20 20 20 20 20 20 20 20 20 20	817,304 49
Work- house	######################################	86,787 61
Hospital and Board of Health	1,000 17 10 10 10 10 10 10 10 10 10 10 10 10 10	\$10,766 SS
Pire Patrol	**************************************	82,076.06
Fire Dept	8. 1,125 88 11. 11. 11. 11. 11. 11. 11. 11. 11.	\$18,011 106
Month 1866	May May National May May May May May Maren	Totals

Respectfully submitted,

W. S. CAMPBELL, Clerk of Supplies.

ANNUAL REPORT

OF THE

CITY ENGINEER,

FOR FISCAL YEAR

ENDING APRIL 17, 1899.

To the Honornble, the Board of Public Works.

Gentlemen:—I have the honor to submit herewith, report in tabulated form of the operations of the Department of Engineering for the fiscal year ending April 17, 1899, wherein is set forth in detail the nature of all public work done during the year and also of all work under contract and incomplete at this date.

Respectfully submitted,

HENRY A. WISE,

City Engineer.

Statement of Streets Paved During Fiscal Year Ending April 17, 1899. Barber Trinidad Lake Asphalt.

tax bills	**********	P88883	at R 25	* 81818E	22823	18925	2,400
Total	80.850 10.050 10	7,250 61 12,167 58 21,608 84 2,450 82 8,649 62 4,165 16 1,837 19		2,404 52 8,404 52 8,459 78 8,459 78			\$484,161.25
per sq yd	2222222222222 20222222222222222	22222222 22222222		222222			Section.
Square	1, 884, 69 9, 100, 89 1, 100, 80 1, 100, 80	8,420.10 5,730.40 10,332.00 1,170.20 1,438.50 1,984.70 896.40	1,477.60 4,447.20 6,068,50 14,168,90 8,081.20	2,549.30 2,549.30 5,588.60 18,609.00 1,631.30	1,188.40 1,188.40 1,188.40 1,186.30 84,021.30	1,481.50 2,451.50 1,888.20 1,158.50	204,987.39
Lineal feet	2000 2000 2000 2000 2000 2000 2000 200	1,210,80 1,878,00 2,465,50 401,80 257,00 551,70 261,70	456.30 1,411.40 1,758.00 2,685.00 2,628.00	171.40 1,90%.00 1,90%.00 1,90%.00 2,780,30	8 88 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	1156.50 044.50 044.50 1156.50	54,380.38
	concrete	******	11111			1111	
ation	oncrete the	old white	old 68	old 6 mm	HHHHHH PPO PPO PPO PPO PPO PPO PPO PPO P	****	
Foundation	bituminous con	*****	TATEL			1:::	10 3-10 miles.
ness inches	***********				andaa.		
Former ne	Some Macadam None None None	Cedar Bik. 19 None 11 Cedar Bik. 19 None 11		BIR	d = 1	None III.	
To.	E II Wyandotte st W II Molines st W II Wolfenes st N II Yeelfth st N II Zad st N II Stat st N II Stat st N II Street st	v II Cliff at the state of Eighteenth at II Eighteenth at II Hollmes at II Lexington av curb II of 15th at w of 15 way ii of 16th at e of B'way vi Eighth at	and Wyandotte. N If Fifteenth at Ell Broadway E end K C Belt Ry Bridge.	W. H. Forestav. R. H. Woodland av. C. H. Potter rd or Cleveland av. W. H. Euclid av. W. H. Garfield av.	St. John av Ch. Ninth st. N If Fleventh st. C II 33d st. N II 314 st.		
From	000000000000000000000000000000000000000	No. 18 t. 28 blk. 2 res of Whippers 2d ad - Prod. S. Is Fifteenth st. E. If Grand av and Main st. S. Is Pendleton av. S. Is 14th st w of Broadway. S. curb it of 16th st w of Broads. S. Il Seventh st.	E II B Way. S If Twelfth st. B II B Way. E II B Way.			S II Stateenth at. 8 II Eleventh at. 8 II Eighteenth at. W aide McGee at.	B) contracts
Street			1 1013	111111	Elector at Sharington at Wilstington at C. Wilstington at C. Wilston at A. W. C.	h h h m =	Tour a

American Bituminous Rock (Gilson) Asphalt.

No. of Tax Bills	****************	1,164
Price Per Sq Yd	88.884 0 8.102 90 0 8.102 90 0 8.102 90 0 1.0517 90 0	\$2 10 3158,267 45
Price Per Sq Yd	######################################	\$ 10
Square	8 9922 90 1, 654 90 1, 654 90 1, 648 90 1, 648 70 1, 648 70 1, 648 70 2, 277 10 2, 277	75,365 50
Lineal Feet	1,425 90 91 91 91 91 91 91 91 91 91 91 91 91 91	24,212 00
Foundation.	Concept Concep	15 contracts, 4.59 miles.
Thick- ness Inches	3.50.00.00.00.00.00.00.00.00.00.00.00	
-Former Pavement	None Cedar Biks	
To		
From	B. ii 12th st. E. li of Woodland av. E. li of Woodland av. E. li fleth st. E. li 11th st. E. li 11th st. E. li 11th st. E. li 11th st. E. li Minni est. E. li Minni est. E. li Minni est. E. li Minni est. E. li 15th st. E. li 15th st. E. li 15th st. E. li 2th st. E. li	
Street	Highland av. Fourteenth st. Troost av. Smart av. Sixteenth st. Gladstone av. Mondgall av. Indiana av. Holmes st. Holmes st. Wahnut st. Thirty-fifth st.	

Stone Blocks.

silis	No. 1	Z	2
Total	Cost	.55 86,984 25 85	.55 86,981 25
	Pri Per Sq Yd	99'	
Stone Blocks	Sand Con'te Feet Sq Yds Pri Per Square Yd Pri Per In. In. New Sq Yd Old Sq Yd	4,898.10	4,398.10
Ston	Pri Per Sq Yd	25 ES	\$1.85
	sq Yds	1,010.00 2,382.70 \$1.85	1,040 00 2,382.70 \$1 85
Lineal	Feet	1,010.00	1,040 00
lation	Con'te In.	9	
Foundation	Sand In.	135	
Former	Pavement	Stone Blks 115	
	40	W end 7th st	
	From	W li Santa Fe st	
	Street.	Eleventh st	Repaired and Repayed 0.19 miles.

Vitrified Brick Paving.

No tax	銀行総数をお客はお客をおおすx 200 20 20 20 20 20 20 20 20 20 20 20 20	88
Total cost	88 98 98 98 98 98 98 98 98 98 98 98 98 9	\$112,540 68
Cost per sq yd	28 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	\$1.47
Square	2, 2, 2, 2, 2, 2, 2, 2, 3, 3, 4, 4, 4, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,	76,191 80
L'ineal feet	### ### ### ### ### ### ### ### ### ##	28,032 70
ion		
Foundation	Congrete	
Spaces between brick	Port. Cent. Grout o inches	
Former	None None Brick None	
To	W line Woodland av. S line Twenty-third st. W line Summit st. E line Summit st. N line Eighteenth st. N line Eighteenth st. N line Eighteenth st. N line Eighteenth st. N line Fidhina av. W line Indiana av. W line Indiana av. W line Anderson av. W line Anderson av. W line Forest av.	24 contracts. 4 37-100 miles.
From	E line Flora av. S line Twenty-first st. S line Twenty-first st. E line Walrond av. W line Southwest bed. W line Southwest bed. S line Twenty-third st. E line Walrond av. S line Fifth st. E line Marond av. E line Fitteenth st. E line Thoreacav. E line Troost av. E line Locust st. W line Anin st. S line Fifth st.	
Street	Thirteenth st. Broadway Charlotte st. Lexington av. Twentlicth st. Charlotte st. West Prospect pl. Anderson av Roberts st. Hudhan av Brookyn av Roberts st. Thompson av Prokin st. Thompson av Thompson av Thompson av Thompson av Trentin st. Twenty-third st. Twenty-third st. Twenty st.	

Statement of Alleys Paved During Fiscal Year Ending April 17, 1899. Vitrified Brick.

stlig 1	No. or	1231	28	83	28	88	- 2	52	98	52	71	448
Price per Square Total Cost		\$ 680 68 1,038 63	00 260	1.147 26	672 40 679 13	1,908 70	174 000	1,101.64	1,256 (8	1,216 60	1,655 51	\$15,419 83
pag.		\$ 1 59 1 59	1 595	1 495	1 54%	1 4055	1 499	1.69	1 50	1 50	1 500	Distriction of the last of the
Square		428 10 653 10	629 00	767 60	454 80 469 70	712 90 808 90	116 10 421 00	01 889	788 E8	781 90 605 20	972 80	9,878.90
Lineal Feet		878 878 876 890	352 00	-454 70	267 50 297 00	888 888 888 888 888	115 00	1,101 44	530 70 448 50	1125 20	880 to	15 119 172
Foundation	Sand Cone. Inch. Inch.	99	9	9	00	20	00	8	00	00	c	Total Control
Foun	Sand Inch.	21 21	28	01	26.28	01.01	28.28	23	21.71	21 21	54	50 m (a)
Spaces	Впск	Port, Cem. Grt Port, Cem. Grt	Port. Cem. Grt	Sand	Sand	Sand	Grout	Grout	Grout	Grout	Grout	
7		Twelfth street	Sixth street	Fourteenth street	Twelfth street	Thirteenth street	lro	Co.'s lands	Sixteenth street	Thirtrenth street	Fourteenth street	es
From		Eleventh street	Independence avenue	Thirteeth street	Eleventh street	Twelfth street	East line of Walnut st.	West line Mulberry st.	Fourteenth street	Eleventh street	Twelfth street	I.B. Miles
Between		Oak street and Locust st McGee street and Oak st	avenue street and orang	- 1		2.00	Twelfth street and Thir- teenth street.			3.5	Woodland avenue and Twelfth street	16 Contracts.

Recapitulation of Street Paving Constructed During Fiscal Year Ending April 17, 1899.

Material Used	No. of Con- tracts	Lineal Feet	Miles	Square Yards	Cost	Average Cost Per Sq Yd	No. of Bills.
Batter Trinidad Lake Asp American Bituminous	30	54,290.28	10.3	204,937.20	\$134,961.25	\$2,122	2,183
Rock Asphalt	15	24,212,00	4,50	75,965,00	178,267,45	2.10	1.164
Vitrified Brick	24	23,062.70	4.37	76 191.80	112,530.63	1.477	864
stone Blocks, repaired and repayed		1,040.00	0.10	6,780.80	6 984.25	1.022	85
	79	102,705.08	19.45	068,274.80	\$712,600.E8		4,546

Statement of Streets Paved to April 17, 1899.

Material Used	Total Lineal Feet Constructed	Lineal Feet Taken Up and Repayed	Lineal Feet Constructed to Date	Miles
Barber Trinidad Lake Asphalt	286,665,28 85,929,70		286,665,28 35,929,70	04.29 0.80
Vitrified Brick. Stone or Granite Blocks. Macadam. Cedar Blocks.	148,740,13 15,091,00 282,256,00 279,952,00	2,184.60 *4,251.00 8,151.58 205,245.60	146,555,58 11,880.00 274,144.42 -44,706.40	27,76 2,25 51,92 8,47
*Reconstructed and Repayed.	27010711271070		799,881.83	151.49

Statement of Alleys Paved to April 17, 1899.

Material Used	Total Lineal Feet Constructed	Lineal Feet Taken Up	Lineal Feet Constructed to Date	Miles
Vitrified Brick Stone Blocks Cedar Blocks Macadam	20,222.34 3,754.20 2,011.00 1,699.00	286,60 887,30	20,222.84 8,467.20 1,225.70 1,600.00	3.84 9.66 9.25 9.31
	\$7,685,51	973.110	20,712.24	5.00

Comparative Statement of Street Pavement Constructed From January 1, 1889, to April 17, 1899.

	Average Cost per Sq. Yard	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
N.	Cost	\$27,056 26 28 52,056 28 52,056 28 52,056 28 52,057 74 1106,184 106 117,224 40 117,224 40 117,230 038 112,530 038 1
Vitrified Brick	Square	10, 256,72 24,070,80 34,820,30 118,902,60 35,486,40 82,452,50 81,340,50
Vitr	Miles	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	Lineal Feet	8, 525, 00 8, 525, 00 9, 531, 165 10, 111, 140 10, 131, 140 11, 131, 40 21, 965, 43 23, 965, 43
halt	Average Cost per Sq. Yard	8 9 9
Parker-Washington Trin. Lake Asp Amer. Bitum. Rock (Gilson) Asphalt	Cost	70 288 96 2 10 108 10 10 10 10 10 10 10 10 10 10 10 10 10
Rock (G	Square	2.019.20 2.019.20 1.90 3.447.00 4.50 75.815.00
Bitum.	Mi.	
Amer.	Lineal Feet	445 00 10,019,10 24,212,00
e Asp	Average Cost per Sq. Yard	10000
Trin. Lak	Cost	0000.34 4,138.80 98.822 70 83 018
hington	Square	4,188.86
r-Was	Mi.	258.000.24
Parke	Lineal Feet	1 258.6
	Average Cost per Sq. Yard	28 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Barber Trinidad Lake Asphalt	Cost	821,407.70 112,683.96 48.880.92 114,208.11 124,117.04 128,117.04 128,1754 12,885.76 11,885.76 11,885.76 11,885.76 11,885.76 11,885.76 11,885.76 11,885.76 11,885.76 11,885.76 11,885.76 11,885.76 11,885.76 11,885.76
nidad Lal	Square	7,045.08 40,244.77 13,031.40 57,110.80 98,108.80 98,408.50 131,038.00 151,038.00 151,038.00 157,07.30 204,037.30
er Tri	Miles	0.400000000000000000000000000000000000
Bart	Lineal Feet	2.570.00 10,764.80 10,764.80 15,126.00 15,126.00 12,234.15 27,231.70 24,117.73 18,672.20 18,672.20 38,288.47 54,890.38
structed	To	Jan. 1, 1889 May 9, 1880 Apy 9, 1889 Apr.20, 1880 Apr.20, 1880 Apr.20, 1881 Apr.13, 1881 Apr.17, 1882 Apr.16, 1882 Apr.17, 1883 Apr.16, 1883 Apr.16, 1884 Apr.16, 1886 Apr.20, 1896 Apr.20, 1886 Apr.20, 1896 Apr.20, 1896 Apr.20, 1896 Apr.10, 1897 Apr.18, 1898 Apr.10, 1897 Apr.18, 1898 Apr.19, 1898 Apr.18, 1898 Apr.19, 1898 Apr.18, 1898 Apr.18, 1898 Apr.18, 1898
Date Constructed	Ръош	(ay 6, 1880) pp. 30, 1880 pp. 30, 1880 pp. 18, 1892 pp. 17, 1893 pp. 16, 1894 pp. 20, 1896 pp. 20, 1897 pp. 18, 1897 pp. 18, 1897 pp. 18, 1897 pp. 18, 1897

Annexed Territory.

Comparative Statement of Street Pavement Constructed From January 1, 1889, to April 17, 1899. - Continued.

Date Constructed Stone Blocks	Lineal Miles Square Cost ge Varid Feet Feet	Apr. 50, 1880 Apr. 50, 188
Cedar Blocks	Miles Square Vards Cost.	97 7.135 116,722.14 \$208,607.08 1421 70 2,820 50,384,50 71,100.78 1412 30 0,230 4,572.90 6,767.80 1480 15 0,38 8,481.00 9,689.08 105 50 0,11 1,702.00 1,973.44 112
Macadam	Lineal Miles Square Feet Miles Yards Cost	1,027.00 0.194 4,038.79 2,746.13 8,828.80 1.67 44,283.50 8,289.91 14,648.06 2.62 50,397.70 87,510.40 6,817.60 1.20 21,72.00 88,969.41 6,817.60 1.20 21,72.00 88,857.42 24,128.80 2,82 55,710,29 18,887.62 24,128.80 2,82 55,710,20 88,000.91 14,805.10 2,80 56,832.00 78,600.91 14,805.10 2,80 56,832.00 58,000.82
Te	Average Cost per Sq. Varid Free al	1007 3,107.20 0.080 0.42 22,855.00 1.20 0.088 72,742.80 0.20 0.747 30,572.10 0.74 0.801 82,742.80 0.20 0.801 82,742.80 0.20 0.804 06,883.35 0.30 0.804 06,283.35 0.30 0.804 06,282.84 11,23 0.804 06,282.84 11,23 0.804 10,283.35 12,08 0.804 10,283.31 12,08 0.804 10,283.31 12,08 0.804 10,283.31 12,08
Totals	Square Vards Cost	11,744.20 24,153.80 26,532,74.304,557.82 27,755.00 114,357.80 113,671.70 232,157.91 183,200.80 219,185.30 184,300.80 219,185.30 185,300.80 219,185.30 186,300.40 187,300.80 20,445.38 188,300.40 20,445.38 189,300.40 20,445.38 20

Statement of Natural Stone Curbing Constructed During Fiscal Year Ending April 17, 1899.

					Constructed by	ed by		Comstr	icted by	Constructed by Public Contract	Contra	let	Total Constructed	structed	
- Address	-			83	Private Contract	mtract	Old,	reset, e	etc		New	1			10
Mrees	Side	From	Ç.	Thicki	feet Price	Amt	Lineal	Price it rad	Amt	Lineal feet	price per ft	Amit	Lineal feet	Amt	Munk
Thompson at.	Both	Walrond av	Indiana av	40.0		2		1 270		1,186.30	.5136	\$0.1108	1,296.50		188
Chartotte st	*	Eighteenth st	Nineteenth st.	144		300	117.30	207	34 07	1,282,40	40	107 S.	1,552,60	719 68	60
fadiana av	: :	Seventh st.	Fifteenth st.	ae	980.00 .50			00.		1,796.50	49.36		2,792.00	1,372 45	300
cxington av	11	Walrond av.	Indiana av	240		924				498.80	8		1,398,80		Į.
Reders n av		Walrond av	Indiana av	10	.53	888				240.00	200	120 00	1 187 00	615 54	73
Smartav		Walrond av	Amie st.		Contractor over	******	Charlotte			759.00	48%		752.00		18
Madison av	-	Thirteeuth st.	Fourteenth st.	210			181 80			450.05	20012	655 50	1,213,90		81
Forest av	: :	Independence av.	Ninth st.	101		814		10	12 N	1,498.15	7607		2,455.25		17
Bales av.	-	Independence byd	Initty-hrst st	o io	1,000.00 .50	00 000 00	Commis	** ***	Section.	100.00	69.		1,100.00		20
West Prospect pl		Twenty-third st.	Twenty-fourth st.	210		The same of	********			1,382,10	202		1,882,10		10
Charlotte st	2 2	Independence av	Eighth st.	10	875.00 .50	0 162 50				1.681.70	210	885 10	1,2300.50 V rate 20	1 017 40	100
Highland av	2	Woodland av.	Garfield av							1,571,90	40).		1,571,90		24
Thirtieth st	North	Troost av.	Forest av	Q 10	127.00 .50	00.89			124144	1,486.70	.00		1,573.70		42
Gillis st	Both	Pifth st sommers	Pacific st	10			124.10	177	14 87	1.094.49	40.00	55.6 40	1 512 70	128 05	200
Holly st.		Twentieth st.		101	Constitution Laboration	Control of	********			540.50	.58		540.50		4
Pacific st		Holmes at	I wenty-ninth st	a e	trees or been				100000	791.70	19.		791.70		288
Proost av		Pacific st.	Fifth st	210						1 100 81		\$1,327 35	2,008,90		263
Tracy av		Fifth st	Independence av	0	Manney Comment					2,149,31			2,140,21	1 000 00	9
Twenty-third at	4	Brooklyn av	Lydia av.	00			569.70	90.	45 57	1,465.90		791 58	2,085.60		a
prospect av	- 46	K. C. Belt Ry, Bridge	Thirty-first st.	210	10,000,000	0 6 000 00				3,157.50	3600	-	1,157.50		9
Tenth M.	1 3	Locust st.	Cherry st	0						425.30	.58	925 401	565 30	905 40	185
Michigan av		Anderson oc	Thirty-first st	9			********		******	2,589.54	.58	-	2,580.54		48
India at	**	Wahash av	Progress av	0 4	transmitted (10)	descent to	********		******	8,662,73	5455		3,662,73		30
Elgin av	1 :	Independence byd	Independence av	9					******	654.82 A 513 80	450	25 CO 10 CO	654,32	325 52	00
Alles Svarrent	:	Holly st	East line of alley, bik, 1 res.	101						,	2000		0,012.00		40
AV	2 1	St. John av.	whippies an addition Independence av.	919		*********				486.88	25.05		481.88		14
Ildia klymav.	: :	Fifth at	Twenty-sixth st.	1010	5,000.00 .50			-		6.869 80	4836	2,604 15	10,369.39	5,104 15	22
NO TO SEE				-						240.00	-44.94		270.00		-

Natural Stone Curbing Constructed During Fiscal Year Ending April 17, 1799-Continued.

19	Mumb	日記二四十四十四日 10 10 10 10 10 10 10 10 10 10 10 10 10	2,104
Intal constructed	Amt	8870 7871 787 787 787 787 787 787 787 787 78	800,003 20
Total Con	Lineal feet	1,642.00 5,577.00 7,777.70 7,777.70 7,777.70 7,704.70 1,217.30 1,2	181,211.83 \$66,663
	Amt	\$550 99 99 99 99 99 99 99 99 99 99 99 99 99	\$52,255 15
New	Price per ft	24824444444444444444444444444444444444	******
reset, efc New	Lineal feet	1,642.60 1,467.00 1,467.00 1,467.00 1,481.10 1,481.10 1,481.10 1,481.10 1,481.10 1,2	\$225 62 100,581.70
t, etc	Amt	20 2 3 4 2 2 4 2 3 3 4 2 3 3 3 3 3 3 3 3 3	\$225 62
Old, reset, etc	Price if req	8	
PIO	Lineal	16.00 111.00 111.00 11.00 206.00 206.00 10.80 111.70	14,18252 2,316.30
fract	Amt	200 000 000 000 000 000 000 000 000 000	14,18252
c Con	Price frice	[[] [] [] [] [] [] [] [] [] [:
Private Contract	Lineal	4, 150,000 4, 120,000 1220,000 1238,000 100,000 1000,000 1000,000	28,283,83
889	Thickn inche		
	To	E. Jine II. 9 bk. 3 O'Donnell's ad North line K C Belt Ry Bridge Holmes st. Broadway Broadway Forest av. Fifterenth st. Fifth st. Fifth st. Fifth st. Fifth st. Fifth st. Fifth st. Fightesenth st. Thirty-first st. Fightesenth st. Thirty-first st. Fightesenth st. Twelfth st.	
	From	Oak st. Fifteenth st. Main st. Main st. Troost av. Treifth st. Forest av. Thirtieth st. Forest av. Thirtieth st. Independence av. Broadway. Locust st. Trifteenth st. Fifteenth st. Fileventh st. Fileventh st. Fileventh st. Fileventh st. Fileventh st. Twenty-first st. Twenty-first st. Thirty-second st. Independence av. Ninth st. Thirty-second st. Indiana av. Lexington av. St. line it. 18 bk. 4, Holyrood ad.	60 contracts. 24.85 miles
	Side	Both.	
	Street	Forty-fourth st Prospect av Thirty-sixth st Thirty-sixth st. Twenty-fifth st. Vine st. Sixth st. Morigall av Thirty-fifth st. Thirty-fifth st. Thirty-fifth st. Walnut st. Garfield av Holly st. Vine st. Agnes av Mest Prospect pl Monroe st. Fucild av West Prospect pl Monroe st. Fucild av Smart av Ord st. Monigall av	

Artificial Stone Combined Curb and Gutter Constructed During Fiscal Year Ending April 17, 1899.

xej	atint strint	unN	8 9255 E 5555 E	240
of secondary.	na mineral	Amount	\$25.00 \$ 1,067.50 \$91.00 \$2381 00 \$91.00 \$2381 00 \$91.00 \$91.00 \$97.10 \$1,088 41 \$100.00 \$1,088 16 \$100.00 \$1,288 16 \$100.00 \$1,288 16 \$100.00 \$1,288 16 \$100.00 \$1,080 52 \$100.00 \$1,080 52 \$100.00 \$1,080 52 \$100.00 \$1,080 52	814,721.27
Thomas Connections	To a large of the	Lineal Feet	828.38 1,229.50 918.40 1,007.16 1,400.00 1,119.80 1,711.00 1,714.36 1,714.36 1,714.36	15,621.04 814,721 27
	itter	Amount	980.20 \$ 1.003/\$ 1.007.50 220.50 10.220.10 10.220.10 10.220.10 10.220.10 10.20	\$14,225.92
ntract	Curb and Gutter	Price per FL	81 0836 1100 1100 1100 1100 1100 1100 1100 11	1
Constructed by Public Contract	Cur	Lineal	1,226.50 2,581.50 913.40 962.16 1,286.10 1,386.10 1,216.20 1,216.20 1,216.20 1,216.20 1,216.20 1,216.20 1,216.20 1,216.20 1,216.20	14,985.51
structed by		Amount	#3 # 8 3 # B &	82H 85
Cons	Curh	Price per Ft.	8 8 8 8	089.90
		Lineal	161.50	009.50
Constructed by Private Contract	atter	Amount	60.000 are 8000 as 60.000 are 60.	8202 30
Contrac	b and G	Price per Ft.	re le	11000000
Constr	To Curb and Gutter	Lineal	380.00	00000
			Park Board	
		To		The of Fif- The of
	From		Fifteenth st. Fouth line lot 41, bik 2 South line of H. W. Armsfield's ad Forth st. Night st. Fifteenth st. Sollingbend'nee " Sol Independ'nee " Night St. Twelfth st. Thirteenth st. Eleventh st. Twelfth st. Thirteenth st. Twelfth st. Thirteenth st. Twelfth st. Twelfth st. Thirteenth st. Twelfth st. Thirteenth st.	
	Side		The second secon	
	Street		The Pusco East The Pusco East Prospect ave Both The Pusco West The Pusco West The Pusco West The Pusco East Piery ave East Piery ave East Piery ave East	

12 Contracts.

2.96 miles.

Artificial Stone Sidewalks Constructed During Fiscal Year Ending April 17, 1899.

sIli	No. of Bi	· · · · · · · · · · · · · · · · · · ·	20
ted,	Amount	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	276 66
Total Constructed,	Square	4,722.00 1,565.00 1,565.00 1,565.00 1,565.00 1,7	1,620.90
Tota	Lineal Feet	2,787.00 2,888.00 2,887.00 2,877.00 2,877.00 1,414.00 1,717.00 1,7	270,65
Contract.	Amount	200 000 000 000 000 000 000 000 000 000	
rate	Price Per Foot	2323233 222 22 23 24 24 24 24 24 24 24 24 24 24 24 24 24	
Constructed by Private Contract.	Square	4,350.00 2,700.00 1,200.00 2,605.00 2,605.00 2,605.00 1,355.00 1,500.00 1,5	
Construc	Lineal Feet	128.00 128.00 128.00 121.00 121.00 121.00 121.00 121.00 122.00 122.00 123.00 123.00 123.00 123.00 123.00 123.00 123.00 123.00 123.00 123.00 123.00 123.00	********
Contract	Amount	Server Copress 8 Servers 8	276
blic	Price Fer Foot	EST T SETEL SE SERESESSESSES E SE ESTEL CERRE	
Constructed by Public Contract	Square Feet	2004-00 144-00 144-00 144-00 144-00 144-00 144-00 144-00 144-00 11,257-20 1	
Construc	Lineal Feet	88888	270.65
	Width		9
	Specifica'n	Hex. Blk Granitoid Hex. Blk Granitoid	
	To	Sixteenth st. Excitation av Egipheenth st. Fifteenth st. Howard st. Fifteenth st. Hyde Park add. Twenty-sixth st. Twenty-sixth st. Twenty-sixth st. Twenty-sixth st. Twenty-sixth st. Twenty-sixth st. Fifteenth st. Twenty-third st. Twenty-third st. Twenty-fourth st. Twenty-fourth st. Fifteenth st. Fifteenth st. Twenty-fourth st. Fifteenth st. Fi	Holmes st
	From	Fifteenth st. Sixteenth st. Twenty-second st. Twenty-second st. Twenty-fourth st. Twenty-fifth st. Twenty-fifth st. Twenty-fifth st. Figureanth st. Fifteenth st. Fifteenth st. Fifteenth st. Ninth st. Ninth st. Ninth st. Ninth st. Thirteenth st. Thirteenth st. Thirteenth st. Ninth st. Ninth st. Twenty-second st. Twenty-second st. Twenty-second st. Twenty-fifth st. Twenty-fifth st. Twenty-fifth st. Twenty-fifth st. Twenty-fifth st. Twenty-ninth st. South line lot 46, Beacon Hill Park. Chestnut av. Fourteenth st. Grammanan Twenty-ninth st. Fourteenth st. Grammanan Twenty-ninth st. Fourteenth st. Fourteenth st. Grammanan Twenty-ninth st. Fourteenth st. Grammanan Twenty-ninth st. Fourteenth st.	
	Side	Both " " " " " " " " " " " " " " " " " " "	
	Street	Lydia av. Wabash av. Charlotte st. Olive st. Olive st. Brooklyn av. Brooklyn av. Brooklyn av. Brooklyn av. Brooklyn av. Brork av. Washington st. Fucild av. Frospect av. The Pasco. The Pas	Thirty-sixth st

Artificial Stone Sidewalks Constructed During Fiscal Year Ending April 17, 1899-Continued.

"III	No. of Bi	48×7××××	-8252.83-c	X = = 2 10 1-	250	852
steid.	Amount	# 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	8832 8834 8834 8834 8834 8834 8834 8834	1,019 02 60.1 65 60.1 65 61.19 02 73 24 61.19 02 84.1 92 84.1 92	2,049 14 1,445 68 280 31	\$18,473.00
Fotal Constructed.	Square	4,906.80 8,173.10 9,971.80 9,236.00 9,910.71 6,190.73 6,190.83	2,582.44 2,5616.04 3,150.70 3,150.70 3,113.65 6,163.00 7,200.45	A 200 16 4,725,45 5,118,145 5,255,45 4,720,16	9,167.30 9,650.77 858.46	225,082.01
rtoJ.	Lineal	N. S. S. O. S.	9,729,01 628,86 620,14 602,14 117,18 1,077,08 1,200,07	880.87 580.87 580.87 580.87 580.86	1,920.00 1,920.00 89.00	51,178.24
Contrac	Amount	8888 88 8888 88	97 58 89 89 702 88	98 89 925 80 89 80 89		\$18,264.90
vate	Per Foot	1 2882 28	28 2	11222	111	
Constructed by Private Contrac	Square Feet	500.00 6.00.00 800.00 670.00 1,890.00 4,472.00	650.00 1,020.00 4,400.00	1,850.00 1,500.00 2,600.00		94,192,00
Construc	Lineal Feet	100.00 100.00 128.34 134.00 805.00 872.00	120.00 170.00 738.88	225,00 256,00 105,00	100000000000000000000000000000000000000	15,998,97
Contract	Amount	BESSELSS:	2000年至4000日 日本出在五名日本日	1,010 1610 1610 1610 1610 1610 1610 1610	2,049 14 1,445 68 280 31	\$40,208.16
lic ,	Per Fool	222222222 2222222	8188111818 676 6 6 7	STERRES	12.5	
Constructed by Public Contract	Square	4,000.80 8,173.10 1,738.30 1,471.38 1,471.38 1,218.70 1,218.70 1,777.86	2,882.44 16,816.04 2,802.30 2,403.65 5,442.00 852.00 2,800.45	5,0901,28 4,725,45 8,113,17 8,905,40 2,004,00 2,120,16	9,107.30 9,650.77 838.45	200,960,012
Construct	Lineal	MB.00 898.00 191.00 143.10 143.10 143.10 143.10 143.10 143.10 143.10 143.10	2,729.05 0,200.34 0,000.34 0,000.34 0,000.34 0,000.34 0,000.34 1,000.34 1,000.34	0.000 0.000	\$20.00 1,930.00 80.00	179.17
	Width		******	250220	100	
	Specifica'n	Granitold		Art Stone	Granitoid	
	To	Thirteenth st. Indiana av Indiana av Benton Boulevard. Tvernty-second st. Warwrck Boulevard. Warwrck Boulevard. Euchd av Euchd av Euchd av Euchd av Gest sverb of	SALING THE S	kins Rev. Coates add St. John av. Fifteenth st. Indiana av. Coetenth av.	Independence Invel	
	From	Twelfth st. Eleventh st. Walroud av Belfontaine Twenty-first st. Main st. Main st. Mchigan av Tenth st.	Thirty-first st. Yeefith st. Twenty-ninth st. Twenty-fifth st. Walrond uv. R. C. Helt Line Bridge Twenty-ninth st. Twenty-ninth st. Twenty-ninth st. Broadway Gladstone Boulevard.	Ninth st. Gladstone Boulevard Gladstone Boulevard Thirteenth st. Walrond av Prospect av		tracts. 9,70 Miles
	Side	East West North South East North Both "West	East Both East North East Both South Both	West East West South	Both East	67 Contracts.
	Street	The Fuseo. The Passeo. Lexington av. Ninth st. Prospect av. Thirty-ninth st. Thirteenth st. Thirteenth st. Thirteenth st. Broadway.	Michigan av. College av. Michigan av. Brooklyn av. Brooklyn av. Anderson av. Holmes st. Harrison st. Harrison st. Sales av.	Askew av Askew av Incoklyn av geberts st.	perry av	\

Natural Stone Sidewalks Constructed During Fiscal Year Ending April 17, 1899.

	No. of Bills	協議ではないないのはないののはないののですのできる	168
-		N843686888484848484848888888888888888888	
ructed	Amount	1.121 1.121	A10 014
Total Constructed	Square	7, 704, 30 1, 783, 10 1, 783, 10 1, 783, 10 1, 783, 10 1, 783, 10 1, 486, 00 1, 486, 00 1, 486, 00 1, 486, 00 1, 480, 20 1, 480, 20 1, 718, 41 1, 718	C 101 001 0
To	Lineal Feet	1,281.08 816.54 816.54 816.54 816.54 816.50 816.00	the same of the same of the or
ontract	Amount	240 00 1157 20 1157 20 1157 20 1150 00 1150 00	\$ 004 000 F
ateC	Price per Foot	848 88888888 84 8	
ed by Priv	Square	1,200,000 4,560,000 4,560,000 540,000	305 305 001
Constructed by Private Contract	Lineal Feet	2900.000 1775.000 1775.000 1800.000 1856.000 1856.000 1856.000 1856.000 2500.000 2500.000 2500.000 2500.000 2500.000 2500.000 2500.000 2500.000 2500.000	4 075 404
	Amount	1,157.07 1,157.07 1,150.00 1,150.00 1,150.00 1,150.00 1,150.00 1,171.41 1,714.47 1,714.	-0.010.01
olic C	Price per Foot	Erasasziratianianassa as	
ed by Pul	Square	8,504,50 9,000,00 1,000,00 1,000,00 1,000,00 1,1	00 024 00
Constructed by Public Contract	Lineal Feet	1,084.08 670.54 1,085.00 1,075.90 1,1075.90 1,	10 000 00
	width Fe	800 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	To	Twenty-first st. Twenty-second st. Grove st. Grove st. Grove st. Grove st. Foreith st. Forest ave Fermsylvania Troost ave Seventeenth st. Twentieth st. Twenty-first st. Treefith st. Thirty-first st. Ninth st. Alley W. of Troost ave Thirty-first st. Ninth st. Alley W. of Tracy ave	
	From	Eighteenth st Twenty-first st Lydia ave Lydia ave Lydia ave Frenth st Fronts ave Broadway Cherry st Sixteenth st Eighteenth st Eighteenth st Fifteenth st	3.00 million
	Side	East Both West South Both Both Both Both Both Both Both Bo	1000
	Street	Pennsylvania ave Ofive st. Grand ave Fifteenth st. Fifteenth st. Fifteenth st. Firtieth st. Seventeenth st. Twentyl minh st. Baltimore ave. Fifterson st. Formsylvania ave Sixth st. Formsylvania ave Sixth st. Formsylvania ave Eighth st. Michgan ave Campbell st. Froost ave Eighth st. Michee st. Troost ave Eighth st. Michee st. Froost ave Michee st. Froost ave Fifth st.	Of Chamben seks

Brick Sidewalks Constructed During Fiscal Year Ending April 17th, 1899.

	No. of In																				1
-11	in in an	-		12:	E ex	n	= 1.	16	340		12	11.00		0	1+55	XO	90	8	80	22	3
noted	Amount	\$ 151.20	1,004 79 605 39									1,495 85 874 42			129 40					239 (0)	
Total Constructed	Square	1,440.00	10,038,00	10,702.71	510.00	1,800.00	1,515.00	5,054,40	807.00	2,158.00	2,887,50	9,688.10	7 900 80	5,421.60	8,085.60	1,520.00	4,277,40	5,796.55	1,386,00	2,779 50	0,000,00
To	Lineal Feet	210.00	1,678.00	2,617.11	85.00	300.00	1,724.00	812.40	134.50	150,66	367.50	1,597,99	010.90	908.60	1,430,93	304.00	712.90	965.93	981.00	468.25	1,011.45
Contract	Amount	\$ 72.00	981 00		-	108 00			A STATE OF THE PARTY OF			280 00		851 00		67 00	section order	A SHIPPING		100000000000000000000000000000000000000	120 00
ivote	Price Per Poot	10	28	888		10	08.2	2000		4444	10	10		00	71111	10	anne.	*****		7	01.
Constructed by Private Contract	Square	230.00	9,810,00	8,100.00	D'DOWN ON	1,080,00	0,456.00				165.00	5,300.00		3,900.00		670.00	sect live	**********		- 31	1,250,00
Constru	Lineal Feet	130.00	1,640.00	1,350.00	771000	180,00	1,076.00	1000000000		140 444	33.00	888.33		650.00		114.00	their being	Caratavas		Participal !	200,00
ontract	Amount	S 78 30	812 82 83 83 83									186 H			901 48		_			200 001	
ablic C	Price Per Foot	11	10%	9 25 25	10.35	10	25,00	100	11	5600	08.88	108.2	2750	68.4	10%	10%	9580	90	08.4	08.6	10.0
Constructed by Public Contract	Square	720.00		7,602,71	_	720,00	1,515.00	5,054,40	807.00	2,158.00	2,672,50	4,688,10	1 900 80	1,521.00	8,585,60		-		-	2,779,00	-1
Constr	Lineal	130.00	131.74	1,267,11	86.00							1,608.92	019.90	258.60	1,430,93	190.00	712.90	965,98	981.00	460,00	101.40
193	width F	0	20	000	00		2 2	00	0 10	91	010	20			88	10	9	0	0 4	2	0
	To	Alley west of Holly st.	Reservoir av.	Fifteenth st	Holmes st	Missouri av	Highland av.	Broadway	Sixth st	Twenty-third st	Indiana av.	Eighteenth st	Brooklyn av	Fourteenth st	Highland av	Tullis Park add	Twenty-third st	Twenty-fourth st.	Woodland av	Indiana av.	I nirry-second st.
	From	Holly at	Holly st.	Twelfth st.	Cherry st	Missouri av	Sixteenth st	Baltimore av	Independence av	Twenty-second st.	Walrond av.	Sixteenth st	Brooklyn av	Thirteenth st	Main st	Thirty-third st		H.	Righland av		Southwest Bivd.
	Side	Both	West	North	:	West	North	Both	Edist	*******	South	Both	South	Both	South	Enst	West	Both	South		PLAINS.
	Street	Eighteeuth st	11	11	Sixth st.	Cherry st	Thirteenth st.	:	Holmes st.	Indiana av	Lexington av	Lydia av			ii	and the second		Indiana av		I	

Brick Sidewalks Constructed During Fiscal Year Ending April 17th, 1899-Continued.

Street Side				199	Consti	icted by F	ublic	Constructed by Public Contract	Constru	Constructed by Private Contract	rivate	Contract	Tot	Total Constructed	cted	sil
	ide	From	To	Width F	Lineal Feet	Square Feet	Price Per Foot	Amount	Lineal Feet	Square	Price Per Poot	Amount	Lineal Feet	Square Fee t	Amount	No. of Bi
Twenty-ninth st North	-	Locust st	Cherry st	90	287.16	1,722.46	1689		**********	the course of	******		287.16	1,729.95		010
		Baltimore av	Broadway	9	569.83	9,416,00	15.00		The state of the	110000000			1,569,32	9,416.00		21.0
Campbell st		Thirty first st	Thirty-second st	10 %	621.50	8,107.50	.10	810 75	690.00	8,450.00	01.	\$ 845 00	1,811.50	6,557.50	656 75	18
Holly st West		Twentieth st	Reservoir av	9	258.50	1,551,00	2500		Or or or or	O'CONTOCOLO	NT.		258.50	1.551.00		100
20000	-	loy st	Fourteenth st	9	279.00	1,674.00	.083%			**********			279.00	1,674,00		01
Fark av Ea	East F	Fourteenth st	Fifteenth st	91	408.25	2,449.50	80.		20.06	124.00	01.	12 40	428.91	2,578,50		111
	410	Fighteenth st	Twentieth st.	0 =	908.00	5,451.00	0836				1		908.40	5,451,00		28
	-	Twelfth st	Thirteenth st	9	429.00	2,574,55	+.80				******		429.09	2,574.55		18
lace,		Twenty-third st	Twenty-fourth st.	9	.295,00	7,770,95	08.5		********			************	1,295.00	7,770.95		55
N. N. N. S.		Michigan av	Euchd av	9	288.65	1,731,94	08'80		designation.	A 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4	A ADDRESS I	288.65	1,731.94		24 -
Locust et Foet	-	Highland av	Woodland av	9 4	80.00	150,000	90.						55.20	211.20		40
1 :		Liberty st	Hickory st	000	214.00	1.285.80	6.60						214.80	1.285.80		1 35
			Alley immed, So		_											
Brooklyn av East	-	Eighteenth st	of Eighteenth st	90	150.00	000'000	0.80	80 10	111.20				150.00	900.00	80 10	1
Woodland av. West	_	Twelfth of	Thirteenth st	0 %	-	1,280,00	+ 00.		150.00	000000	00	00 00		0,049,00		***
		Seventeenth st	Southwest Blvd	9	_	10,482.60	NO		The Court	on one			70	10.462.60		57
- 0		independence av.	Fifth st	9	_	8,747,32	.08.2		1,200.00	7,200.00	00			15,947.82		88
		t	Eighteenth st	9	-	2,441.40	6.20		25.00	150.00	80.	12 00		2,591,40		14
Harrison st West		Eighteenth st	Nineteenth st	9		2,517,08	80.		*********	The backward of	******	Constitution of the last		2,517.08		8
Cherry st. East	-	Fourth st	Fifth st	8	930.68	1 389 00	80						M 080	1 889 00		N.
		Seventeenth st	point, 150 ft south.	9	50.00	300,00	80	00 75					50,00	300.00	24 00	04
May st Both		Fifth st	Sixth st	9	335,00	2,010,00	.08%		********	Secretified.	******	and here are	335,00	2,010,00		6
55 Contracts.	vi.	7.82 Miles.		क्ष	29,144.40	178,058.22		\$15,102 32	12,181.98	72,005.00		\$6,796.44	41.826.88	245,063,22	\$21,808.76	726

Plank Sidewalks Constructed During Fiscal Year Ending April 17th, 1899.

	1993		ed by Publ	le Contract	Constructed by Public Contract Constructed by Private Contract	by Privat	e Contract		Total Constructed	3
From	11 11 11 14	Lineal Peet	Price per Foot	Amount	Lineal Feet	Price per Foot	Amount	Amount Lineal Feet	Amount	Not sellis
Bales ave Askew ave 57th st Thirty-sixth st 150 feet Northof 57th st 5 150 feet Northof 5 150 feet Nort	letereteletetetetetetete	2006.00 2006.00 2006.00 2006.00 2006.00 11,7002.30 11,2	X = = a = n = n = n = n = n = n = n = n =	\$112 6 198 58 68 58 116 56 116 58 116 58 116 58 117	500,009 800		90 98 93 98	278.65 411.20 1,095.00 2,095.00 2,095.00 1,070.15 1,270.15 1,210.15 741.20	200 200 200 200 200 200 200 200 200 200	20120018100
	-	12,168.77		58,884.85	800.00		\$246.00	12,968,77	\$4,130 95	174

44 ANNUAL REPORT OF THE BOARD OF PUBLIC WORKS.

Repairs Plank Sidewalks During Fiscal Year Ending April 17, 1899.

I,ocation	New lum- ber feet B M	Old lumber feet B M	Grading cu yards	Total cost	No. of bills
District No. 1	93,661.00 146,837.00 8,914.00 56,414.00	112,017.00 115,458,00 4,783.00		2,516 88 3,502 35	788 604 758 62 406
District No. 6	490,739.00	402,376.00	***********	\$12,047 94	2,560

Repairs First-class Sidewalks and Curbing During Fiscal Year Ending April 17, 1899.

	Natural St	one Curbing	Art.Stor	e Curb & Gut.	Natural stone	sidew'lk
	Old reset, etc	New	Old	New	Old	New
Location	Lin. ft.	Lin. ft.	Lin. ft. Cost per ft	Lin. ft. Cost	Sq. ft. Son	Sq ft. Cost
General	7,443.20 .1:	5,501.11	60	14.00 ,25	72.00 .07	07

Repairs First-class Sidewalks and Curbing During Fiscal Year Ending April 17, 1899—Continued.

2000			n Bloc	k	Br	ick si	dewal	ks		oal	h	oal ole vers	Sto	x	Amt.	of bills.
General	Old	- 1	Ne	w	0	d	Ne	w						.10	=	50
	Sq ft.	per ft	Sq ft.	Cost per ft	Sq ft	Cost per ft	Sq ft.	Cost per ft	No. 6.	Cost	No. 6.	Cost			Tota	No. c
	259.00	.07	374.00	.20	208.0	0 .04	211.50	.14	1	.75		.75	1	.25	\$3791	1 679

Sodding and Planting Trees During Fiscal Year Ending April 17, 1899.

					Tree	es		No.
Street	Side	From	То	No.	Cost	Amt.	Total Amt.	No. of bills
Wabash av	Both	15th st	18th st	31	\$5 90	\$182 90	\$182 90	24

Streets Graded During Fiscal Year Ending April 17, 1899.

- 51	No. of Bil	· 公司与其中的公司的公司的公司的公司的公司的公司的公司的公司的公司的公司的公司的公司的公司的	1,326
	Total -	4 7 8 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	\$28,466.50
smo	180.2	\$ 2 90 51 62 46 61	
Miscellaneous	Specifica- tion	(12.8 Cu.) Yards Yards Yards 2 Cu. Yds. Brk sts. Brk sts. Ex. Pipe	
Rap	Cost per Vard		11414
Rip Rap	Cubic Yds.		
ipe	Cost per Foot	8 8	100000
Drain Pipe	Lineal Ft.	8 82 82 84 84 84 84 84 84 84 84 84 84 84 84 84	876.00
-	Size inches	9	1
rds.	Cost per		
Cubic Yds. Rock	Excavation	995 72 706.30 1145 706.30 14 9 2 118.80	2,825.10
	Cost per	2 1 1 2 2 1 1 2 2 1 2 1 2 2 1 2 1 2 2 1 2	1
Cubic Yards Earth	Embank- ment	1, 026,50 8, 684,00 2, 781,30 0, 510,40 9, 510,40	30,424.10
Yar	Cost per	22 22 22 22 22 22 22 22 22 22 22 22 22	1
Cubic	Excavation	721,00 1,084,70 2,042,00 2,042,00 14,001,00 14,001,00 16,081,00 16,081,00 16,081,00 16,081,00	32,872.50
	Lineal Feet	254.60 252.00 252.00 252.00 252.00 252.00 257.00 257.00 25.120.23 25.00.00 25.00.00	17,948.45 132,872.50
	То.	Twenty-third st E. line lot g. bk g. O'Domeel's add. Reservoir ave Thirteenth st. Tydia ave. Benton boulevard Brooklyn ave. Frespecial st.	12
	From	Twenty-second at Oak st. Twentieth at Eleventh st. Eleventh st. Forest ave Michigan ave Twenty-second st. Wabash ave Prospect ave Prospect ave Prospect ave Frospect ave	note. 5.4 miles
	Street	Grove st Holty st Pasco (Grove st) Pasco (Grove st) Pasco (Flora ave) Guntotte ave Lockridge st Twenty-fourth st. Twenty-third st. Twenty-fifth st. Benton boulevard. McGes st. Benton boulevard. McGes st. Benton boulevard.	18 Contracts

Alleys Graded During Fiscal Year Ending April 17, 1899.

st	No. of Bil	55 22588854 55 225 285 285	266
	Total Amount	28 28 28 28 28 28 28 28 28 28 28 28 28 2	\$1,598 98
ards	Cost per Cubic Yd.	30,30	taries.
Cubic Yards Stone	Excavation	\$500.20 (80 \$50.80 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	359.30
	Cost per Cubic Yd.	8 29 9	1
Cubic Yards Earth	Embank- ment	\$36.20 06 252.90 lt2 300.40 16 608.20 10	1,706.70
Yar	Cost per Cubic Yd.	8: 8: 12 29	1
Cubic	Excavation	272.90 272.90 828.90 1,458.00 216.60	8,162,50
	Lineal Feet	416.50 438.84 221.00 255.00 475.00 475.00 458.84 458.84 447.00	3,858.03
	To	Twelfth st. Sixth st. Alley immediately N. 12th st. Bellefout ave. Sixth st. Sixth st. Thirteenth st. Fourteenth st.	
From		Eleventh st Independ ave. Eleventh st Eleventh st Independ ave. Howard st. Twelfth st. Twelfth st.	0.73 miles.
	Between or Location	Grand ave and McGee st. Walnut and Grandave. Garfield ave and Brooklyn ave. Inmediately N. of Fifteenth st. Cottage Lane. Grove st and Flora ave. Walnut st and Grandave. Brooklyn ave and Farrison st and Campbell st.	10 Contracts.

inc			sewers		ıch	48 i:	nch	Wa pij			lley rops		ush inks
District	Price	Lineal feet	Price	Lincal feet	Price	Lineal feet	Frice	Lineal feet	Price	No.	Price	No.	Price
r r r	F2 .14			1623.8	\$3.08	778.9		FB.8	\$ 21	· · · · · ·		1 3	\$55 00 70 00 50 00 50 00
No.								6.8	.25		\$25.00	1	60 00 65 00
o		276.		1628.8	• • • • •	778.9		251.4		1.		17	 .

Miscellaneous	Amt.	Lineal feet	Total cost	Number tax bills	Drainage area square feet	Ratio of cost per 1000 sq. feet
Lin ft. pipe for		2324 .80	STIRM I	5 135	1.15.140	\$11.87.85
Lamp hole		2978.20	7670 9			11 69.29
ft pipe at 35c		336.50	524 6			
rceptor.		5055.00	11437 5			
vater boxes and		11719.20	13753 3			N (16.62N
curb cocks.)	18.0	111111111111111111111111111111111111111	1.04.30 .)	اهات ا	11(6888)	O (R).1120
curo cocks.)		2243.70	3219 M	456	4410097	72.8977
way box	3.50		447 6			1 04.76
way our		1 467.00	354 9			97.729

4.87 miles.

.

Public Sewers Constructed During Fiscal Year Ending April 17th, 1899.

	Total Cost	200 200 200 200 200 200 200 200 200 200	10.04 \$1,473 95
	Lineal T	3. x x 8 8 4 8 8 4 8	5. mc.1
Lumber	Cost per Lum	20 00 00 12 49 00 00 00 00 00 00 00 00 00 00 00 00 00	
I,un	Feet B. M.	3	; <u>इ</u>
и Коск	tsoD		1 3
ation	Cubic Yards	102 1	117. 6
Excavation h	Sost	*	
Earth	Cubic Yards	67	3.20
Manholes	1803	8 8 8 9 8 9	
Мап	Š.	21 H	1-
	Cost per Foot	R -	1
13-jinch	Lineal Feet	£ 55	118 8
wer,	Cost per Foot	Ŀ	
Pipe Sewers	1554 Isoni,I	2 7	:
	Cost per Foot	A	
, Find	Pos'd Insui,I	· ·	á
	Location	Alley between Belleview and Madison ave North of 19th st. 189 7, 189 7. Twelfth st. from a point wifert West of Virginia ave to a point 57 West 197 197 197 197 197 197 197 197 197 197	:
ı≫ţııın	N Sommitte	30000 4 8 8 8 8 8	1

Sundry Public Work Authorized by Ordinance.

	Ordinance			
Contractor	No. Date Approved	pavo	specifications	Amount
Charles McGinley. S167 April 1, 1897	67 April 1, 1897.	1 3 5	Grading Summit street from 20th street to 31st street. Curbing on East side of Holly street from 20th street to Reservoir avenue.	\$15,446 SI 142 57
				\$15,589 18
-	Mis	cellan	Miscellaneous Public Work Paid For by Voucher.	
Contractor	Date		Specifications	Amount
foe Shelby M. Schoonmaker White-Redmon Sidewalk Co. White-Redmon Sidewalk Co. Parker-Washington Co. Joe Gastl Joe Gastl E. M. Walton	Sept. 27, 1888. Oct. 28, 1888. Oct. 21, 1888. Sept. 12, 1898. Nov. 21, 1898. 30, 1898.	xxxxxx	Resetting 30 feet of Curbing at Corner 10th street and Brooklyn avenue. Bridging over Washout on 30th street near Oak street. Repairing Granfold Sidewalk on Indiana avenue between 11th street and 11th street. Repairing Granfold Sidewalk on Indiana avenue between 11th street and 11th street. Resetting Curb on Agness avenue between 2nd street and 2nd street. Resetting Curb on Montgall avenue between Independence avenue and Grandy avenue. Resetting Curb on Montgall avenue from Grandy avenue to 3th street. Building Plank Sidewalk and Hand Rail on Brook street.	**************************************
				5458 77

Petitions Canvassed During Fiscal Year Ending April 17th, 1899.

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16	-	24
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-		100
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	7	3
1	:	9
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Canvass of Paving Petitions, Remonstrances and Selection of Ma	Jo	Canvass of Building I
20	18	15
as	38	188
NO	AU	ALI
D.	00	59
0	0	9

Street Paving Under Contract at Close of Fiscal Year Ending April 17, 1899, at Noon. Asphalt.

			103		W2		4	Approximate Estimate	e Estimate	
Street	From	To	Forms	Kind of Asphalt	Thickn	Foundation	Lineal Feet	Square	Cost per Sq. Yard	Cost per Total Cost
Agnes ave	Agnes ave Righteenth st	Howard st	None	Amer, bit. rock 2		6 inches concrete	8,251.00	10,086.00	\$2 10	\$ 21,075 60
Elma st	Garfield ave	Ord st	None	THE RESERVE	69	6 inches concrete	480.00	1,595.00	2 10	3,349 50
Garfield ave	Fifteenth st	Eighteenth st	None	1 100 E E	24	6 inches concrete	1,294.60	8,882.00	2 10	8,152 20
Rarrison st	Eighteenth st	Twenty-third st	None	Trinidad Lake	1%	1% 4 inches concrete	2,251.00	9,302.00	2 12	19,730 24
Monroe ave	Independence ave	Smart ave	None	Amer. bit. rock 2		6 inches concrete	1,249.00	8,980.00	2 10	8,858 00
Ord	Ord Lexington ave	Elma st	None	******* ** **	65	6 inches concrete	596.00	1,881.00	2 10	2,900 10
Seventeenth st Baltimore ave	Baltimore ave	Summit st	Cedar blks	Cedar blks Trinidad Lake 15 4 inches concrete	156	inches concrete	2,089.00	6,905.00	2 12	14,638 60
Southwest byd	Southwest byd K. C. Belt Bridge	State line	Macadam	***************************************	136	15 Old macadam	4,880.00	27,828.00	1.85	51,481.80
	8 Contracts	2.85 Miles					16,070.00	64,969.00		\$129,676 04

Street Paving Under Contract at Close of Fiscal Year Ending April 17, 1899, at Noon.

	-	\$5588588 \$4588588	6
e e	Total	8, 982 1,910 8,1010 8,076 8,000 8,000	\$28,980 04
: Estimal	Cost per Sq.	1.4755 1.4456 1.5154 1.5154 1.5155 1.5155 1.515	- Market
Approximate Estimate	Square	2,703,00 1,821.00 2,681.00 4,011.00 930.00 1,919.00	5,062,00 15,901,00
Ap	Lineal Feet	812.00 825.00 1,000.00 625.00 1,180.00 660.00	5,062,00
	Foundation	2 in. sind, 6 in. concrete 2 in. sand, 6 in. concrete	
	Spaces Between Brick	Port, Cement Grout Sport, Cement Grout Port, Cement Grout	
3003	Pavem	None None None None None None	
	To	Askew ave Sixth st Eighth st With st Independence ave Sixteenth st	0,65-miles
	From	Indiana ave Fifth st Independence ave 3nd st. Fifth st Fourteenth st.	7 Contracts
	Street	Anderson ave Central st Campbell st Holly st. Harrison st. Washington st.	

Alley Paving Under Contract at Close of Fiscal Year Ending April 17, 1899, at Noon.

The second secon			Doenne	Crosses	Detunent		-			Approximate Estimate	e Estimate	
	From	To	Pavem't	Pavem't Brick	ick		Foundation		Lineal Ft	Lineal Pt Sq. Yards Cost per Total Cost	Cost per Sq. Vard	Total Cost
Charlotte st and Campbell st 20th st Beacon None Port. Cem. Grout, 2 in. sand, 6 in. concrete 217.08	th st	S, line of Beacon	None	Port, Cer	m. Grout.	E E	and, 6 in	n, concrete	217.09	362.00	362,00 \$1,509 \$578 80	98 878

Street Paving Under Contract at Close of Fiscal Year Ending April 17th, 1899, at Noon. Macadam,

		-	Cost		\$54,454 90 17,793 00 6,568 50 8,456 90 7,300 90	the last and
- 4	Macadam Pavement		Lineal Feet		4,776,17 87,281,18 1,807,00 1,804,10 10,722,1	and section and
stimat	orn Par	p	tal' Per	ls i	10001	
Approximate Estimate	Macada		stante draft		21,400,00 11,600,00 4,850,00 5,600,00 4,550,00	And other past
App	ial .	ent	ost Per Square Jq	5	8 88	
	Artificia	Pavement	jas-i		1,100	0.0001
	3	80	Monital Liment	Inches	00000	
Used.	3	non	Crush Limest	Inches		
Material Used		pat	Greek	luches Inches Inches Inches		
			Grand Berrera	Inches		
Insurant tamtoft					None	
ž					Thirty first at Fifteenth at, South end the Pasco, Twelfth at, South end the Pasco	
From					Twenty-fourth st Ninth st Fifteenth st Ninth st	
			Street		Benton BonlevardTwen The Pasco, west roadway, Ninth The Pasco, east roadway, Fifter The Pasco, east roadway, Ninth The Pasco, west roadway, Fifter	

Natural Stone Curbing Under Contract at Close of Fiscal Year Ending April 17, 1899, at Noon.

		9		Appre	Approximate Estimate	mate	
From	To	g nes	Reset and Redress	Redress	New Curb	urb	-
		oidT in	Linest Pt.	Price Cents	Lineal Pt.	Price Cents	Cost
radiana ave Jarfeld ave Viteratils at Noeteentls at radependence ave Troost ave. Jive at Alley 8. of Seventeentls at	Askew ave 13d at 18d at	aaaaaaaaa	198.60 26.00 108.00 108.00 26.00	복 (취임취 8	1,448.76 8,000.00 8,000.00 1,000.00 1,000.00 1,000.00 1,000.00	क् र्यक् रवृद्ध वर्ष	# 706 202
9 Contracts	8.60 Miles	000	440.60	1	18,678,00	-	87,728 81

Artificial Stone Combined Curb and Gutter Under Contract at Close of Fiscal Year Ending April 17, 1899, at Noon.

	Remarks	888	90
imate	Атоп	\$8,800 00 9,800 00 9,549 60	\$28,149 60
Approximate Estimate	Price per Foot	\$1 00 1 00 1 058	7.
Approx	Lineal Ft. Price Amount	8,800.00 9,800.00 9,200.00	27,800.00
	To	Fifteenth st. Thirty-first st. Twenty-fourth st.	
	Prom	Independence boulevard Fifteenth st. Twenty-fourth st. Fifteenth st.	
	Side	Both Both	
	Street	Benton Boulevard Benton Boulevard	5.26 miles

Natural Stone Sidewalks Under Contract at Close of Fiscal Year Ending April 17, 1899, at Noon.

				H	AF	Approximate Estimate	e Estim	ate
Street Side		From	To	ирім	Lineal Feet	Square	Price per sq. Ft.	Square Price Per Sq. Amount Feet Ft.
Southwest byd South Southwest byd South Tracy ave Both Twenty-fifth st Both Trenth st	West Twenty-first st South Lot 22, bk 8, Winter East line of East line of East line of East line of Fact line of	st line of the of t. Winter Park. Winter Park. Winter Park.	West Twenty-first st. Southwest boulevard. South Lot 22, bk 8, Winter Park Lot 22, bk 8, Winter Park IIII Fast line of West line of Fast line of West line of West line of Fast line of F	full full east to the same of	25.00 25.00 25.00 1,917.00 308.00 315.00 378.00	25.00 4,573.01 25.00 875.00 25.00 875.00 388.00 1,538.83 375.00 1,875.00 375.00 1,875.00 375.00 1,875.00		.18% \$ 846 00 .50 187 50 .17% 2,012 50 .19 387 30 .10 1,088 00 .20 400 00
	8 Co	8 Contracts	0.80 Miles	1:	4,728.00	4,728.00 28,136.84		\$5,406.87

Artificial Stone and Hexagon Block Sidewalks Under Contract at Close of Fiscal Year Ending April 17, 1899, at Noon.

		Pk. nd S. Pk. nd S. Pk. nd Block.	
		Art. Stone. Pk., Art. Stone. Pk., Art. Stone. Pk., Granitoid.	
ite	Amount	\$14508 08 16840 00 16840 00 248 00 1012 50 736 00 330 No 1116 34 210 50	\$50018 30
e Estim	Price per sq ft	San s	**********
Approximate Estimate	Square ft	64800.00 68800.00 1380.00 6730.00 6730.00 7482.34 1281.00	30786.TO 205156.24
AI	Lineal ft	8862.00 8825.00 9825.00 225.00 1350.00 840.00 1248.70 210.00	80786.70
	Mio fer	NEXECUESS	
	To	Fiftcenth st. Twenty-fourth st. Thirty-first st. Lydia ne. Lydia ne. Thirty-fifth st. Forty-second st. Indiana ne. Campbell st.	5.83 miles.
	From	Independence byd Fifteenth st. Twenty-fourth st. Thirteenth st. Troosd av. Thirty-third st. Fortieth st. Walrond av.	
	Side	Both Both West East Both North	
	Street	henton byd. Benton byd. Broton byd. Brosklyn av. Tweuty-third st. Woodland av. Warwick byd. Smarf av. Teuth st.	

Brick Sidewalks Under Contract at Close of Fiscal Year Ending April 17, 1899, at Noon.

te	Amount	2572 80 1708 88 84 54 14 14 14 12 12 12 12 12 12 12 12 12 12 12 12 12	\$5181.81
Estima	Price per sq ft	489 489 489 489 489 489 489 489 489 489	
Approximate Estimate	Square ft	15600.001 118600.001 1186.00 1080.20 2812.20 2812.20 7085.75 11029.10	61282.25
Ap	Lineal ft	1530, 30 2250, 00 197, 50 801, 50 662, 50 1250, 96 2488, 18	10718.70
13	oj.M	2222222	
	To	Eighth st. State line. Tenth st. Twenty sixth st. Twenty sixth st. Twenty second st. Piffeenth st. Piffeenth st.	2.08 miles.
	From	Independence av Beit Ky. Bridge Ninth så Tweuty-fifth at Nineteenth så Twentieth så Twentich så Campbell st	
	Side	Both South West East Both	П
	Street	Charlotte st. Southwest lvd. Central st. Holmes st. Holmes st. Holmes st. Yark av.	

Street Grading Under Contract at Close of Fiscal Year Ending April 17, 1899, at Noon.

						A	ppro	Approximate Estimate.	stima	ite.				
Street	From	To		Cubic	Vard	Cubic Yards Earth		Cu. Yd. Rock	ock	Dr	Drain Pipe.	· i		
			Lineal Feet	Excava- tion	Price Cents	Em- bank- ment	Price Cents	Cubic Yards	Price Cents	Size .nch.	Lineal Feet	Price	Misel	Total
Benton Boulevard Bellefontaine av.	Independence av Twenty-third st Thirty-fourth st	Fifteenth st Twenty-fourth st. Thirty-sixth st.	4,200.84 478.62 1,178.20	2,075.00 4,290.00	9.0	88,222 21	5	81.10	8 :	82 : :	189.00	0.45 15	\$ 218 08	15 \$ 213 08 \$ 8,080 40 205 42 20 772 20
Central st. Forty-third st. Garfield av. Holly st. Indiana av.	Thirty-fifth st. Central st. Thirtieth st. Reservoir av. Norledge Place Wordland av N of	Hanover Place Elizabeth st. Thirty-first st. St. John av.	874.50 1,273.80 604.00 879.00 1,065.00	2,187,00 2,446.00 4,000.00	12%	1,800	10%	300,00 60		25 2	90.00 30.00 80.00	38::3		810 18 585 48 195 75 550 90
Independence Blvd. Kenwood av. Loctust st. Madison st. Mercier st. Smart av. Treey av.	Independence Blvd. Thirty-fourth st. Thirty-fourth st. Seventeenth st. Neenty-third st. Askew av. Twenty-third st.	Ninth st. Thirty-sixth st. Thirty-sixth st. Twenty-first st. Monroe av. Thirty-first st.	2 280.00 1,178.28 1,178.20 1,000.00 1,875.00 1,875.00 1,875.00	29,000.00 11,160.00 1,580.00 11,150.00	17.7			2,000,00	2	192112	90.00 125.00 50.00	98 : 20		1,000 00 00 00 00 00 00 00 00 00 00 00 00
Twenty-third st Thompson av	Grand av.	Alley East of McGee st. Monroe av.	546.00 1,308.00	6,660.00	: :	8,000	R : 8	6,860.00	542	의 의 :	100.00	8 8		
Tenth st	Bellefontaine av Gladstone Blvd Castleton Add	Benton Blvd Bales av Thirty second st	747.20 870.20 1,810.24	860,00 25	8	4,732 5,200	16.9	22	111	21	60.00	:9 :		215 90 781 12 902 80
21 Contracts.	s, 4.72 Miles.		24,951.58	75,408.00		107,254		13,861.10			929.00		80118 98	\$213 98 \$ 48,576 69

The Contract for completing Benton Boulevard, total amount \$8,000.00; deducted for non-completion \$350 00.

Alley Grading Under Contract at Close of Fiscal Year Ending April 17th, 1899 at Noon.

Approximate Estimate

			_	Cubic 1	Cubic Yards Earth	rth	Rock		Miscellaneous	sno	_
Between	From	o T	Jeel Reni,I	Excavation	Price Cents	Price Cents	sbraY oldnO			·	Total Cost
Brooklyn ave, and Park ave	Twenty-third st	Twenty-fourth st		- 4.71	عي	- - -		:			
Cherry st. and Holmes st	Eleventh st	Twelfth st	05. 405.			71 .70 IX	:	:	-	:	₩ 13 ¥
Charlotte st and Campbell st.	Eleventh st	Twelfth st	S. X.		342.70	?l ====================================	:				8 12
Forest ave. and Tracy ave	Thirteenth st	Fourteenth st	147.00	135. 10.27	:		:	_:-			96 111
Locust st. and Cherry st	Tenth st	Eleventh st	04.19	지 (1 전략		- :		:		- : :	101
Mercier place and Holly st.	Twenty-third st	Twenty-fourth st	65.00	2,785.30.21	ý.	5		Pipe 15 m.	e Lin. eet 1. 112		0 652 16
Pennsylvania ave and Washington st. Thirteenth st.	Thirteenth st	Addition	3	255,00.24	255.00 244	<u>:</u>	:		-:	<u>:</u> :	# #
Perry ave, and Twelfth st	Bellefountaine ave	Bellefountaine ave Benton Boulevard	1987.73	- ;	_	273. 00 . 23.		-		- :	8
N Contracts	20 m 29 =		2	(S. (S. 1)	- 2			-		 	51.087.17

Plank Sidewalks Under Contract at Close of Fiscal Year Ending April 17, 1899, at Noon.

				t b	Approx	ximate E	stimate
Street	Side	From	То	Width Feet	Lineat Feet	Price per Lin.Ft	Amount
St. John ave 18th st Woodland ave.	North .		Jackson ave Jackson ave 32nd st	5 5	998.90 800.00 275.00	.80 .81% .88	298 17 255 00 90 75
	1				2,068.00		\$648.95

Statement of Expenditures of Engineering Department During Fiscal Year Ending April 17, 1899, at Noon.

Pay Roll— Engineering department—salaries Engineering department—horse hire	\$45,888 78 938 48	\$46,822 21	
Miscellaneous expense— Blue prints Abstracts, grading and condemnation plats, etc. Tools, furniture, office supplies, etc	\$ 21 35 2,259 40 921 09	\$3,201.84	\$49,521.05

il 17, 1899.

							Bri	ck			
aber aber	tion	Lum	ber	Lamp	holes	Burn		Vitri Bri	fied ck	real	Total Cost
Num	Price	Feet B. M.	Pree per 1000	No	frice each	Sq yds				Linea	μo
Joint me to 177	\$1.50	50000	\$20 00	1-1-1	iou.	25/2	\$1 20		\$1.40	04:10	\$DESIR S
a Div. a.	3 90	5000	25 00	-1	\$6.00	- 1	- 140	e e	-	93.4A	1760 :

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Page No.	Nature of Work	No. of Contri	No. of Cn. yds	Sq. Yds.	Sq. Vds Sq. Feet Lineal Ft. Miles No. of	Lineal Ft.	Milles	No. of Bills	Amount
2-x=2=2=2==============================	Paving streets alicys Natural stone carbing Mexical combined curb and gutters Mexical combined curb and gutters Mexical stone sidewalks Plants sidewalks Plants sidewalks Plants sidewalks Plants sidewalks Crading streets Sodding and planting trees Sodding and planting trees District sewers Public sewers Miscel, public work gaid for by voucher Miscel, work paid for by voucher Miscel, public work baid for by voucher	事業を対は病気ないの発出しませるか	706 Ltd. 70 A.22 S. 60	100, 100, 100, 100, 100, 100, 100, 100,	2005, COS. 00 120, COS. 00 2005, COS. 20 2005, COS. 20 20 20 20 20 20 20 20 20 20 20 20 20 2	100, 716, 118 1, 000, 111, 121 1, 000, 111, 121 1, 000, 111, 121 1, 000, 111 1, 000, 70	21880888	0.54 0.00 0.00 0.00 0.00 0.00 0.00 0.00	25 400 00 10 10 10 10 10 10 10 10 10 10 10 1

Recapitulation of Public Work Under Contract at close of Fiscal Year Ending April 17, 1899, at Noon.

0.00		No. of			Approximate Estimate	e Estimate		
No.	Nature of Work	Contr't	Cubic	Square	Square	Lincal	Miles	Amount
SSSTUDUSSSSU	Asphalt, paving streets Brick, paving streets Macadian, paving streets Macadian, paving streets Matural stone curbing Artificial stone curbing Artificial stone and Hexagon block sidewalks. Brick, sidewalks. Clanding streets. Public and district sewers. Flank sidewalks.	***********	64,909.00 14,909.00 17,928.00 17,1928.00 186,008.10 1,028.10 1,028.10	64,809.00 16,804.00 305.00 47,928.00	64,000.00 300.00 47,000.00 44,000.00 4,000.00 4,000.00	16,070,00 5,002,00 11,346,82 11,346,82 27,800,00 4,735,00 10,713,70 24,651,88 6,165,00 2,008,00 2,008,00	27888872 27888873	40,000 to 100 to

Statement of Condemnation Cases During Fiscal Year Ending April 17, 1899.

	Status of Case	1314 .00 Complete.	881.00 Collecting. 556.50 589.00	128.89
Benefits	Property Owners	1314 -00 Complete 7119 .00 Collecting 8908 00 Collecting 8908237 32 Collecting 71759 .00 Collecting 71780 .00 Appealed 830 00 Complete 830 00 Appealed 830 00 Appealed 830 00 Appealed 830 00 Appealed 830 00 Complete 830 00 Appealed 830 00 Complete	811.00 256.50 1250.00 760.45	559.00 128.80
Ben	Kansas	8 8 8 8888 888888 8 88 8 88	88 1111	1.00
Verdict Rendered	Circuit	Jan. 28, 1866. June 5, 1806. June 6, 1806. Jule		
Verdict F	Mayor's Court	व श्रिक्षं न न न न न न न न न न न न न न न न न न न	Dec. 9, 1808 Jan. 27, 1859 Feb. 13, 1899 Mar. 10, 1899	April 11, 1899 May 5, 1899 Mar 10 1899
	To	11 1 11:11:12 11:11:11:11:11:11:11:11:11:11:11:11:11:	Thirty-fourth st. Norton av. N line 15th st. Howard av.	Twenty-second st. Campbell st. Eleventh st
	From	Nov. 21, 1865 Twenty-fourth st Locust st Locus	Street inmed. south of Gordon Place Gordon Place Roplar av Walrond av Walrond av Twenty-fourth st.	Twenty-first st. Harrison st. Eighth st
S. Contraction of the contractio	133116	Monroe ave Tweuty-fourth st Grand ave North Terrace Park West Terrace Park West Terrace Park The Parade Penn Valley Park The Parade Alley bet of the and of the Alley bet with and of the Therey ave Therey ave Cherry st Maple ave Thirty-first st Maple ave Thirty-first st Maple ave Thirty-first st Maple ave Thirty-first st Thirty-first st Maple ave Thirty-first st	Phirty-third st Street immed, south of Gordon Place Poplar av Walrond av	Charlotte st. Alley sou, of 91st st.
Orginance	Date	Mar. 16, 1865. Nov. 21, 1865. Sept. 11, 1865. Sept. 11, 1865. Sept. 11, 1867. Sept. 11, 1867. Sept. 11, 1867. Oct. 20, 1897. Jan. 17, 1898. Apr. 12, 1898. June 24, 1898.	27, 1808. 27, 1808. 27, 1808.	7, 1898.
1	No.	6228 6388 6388 6682 6682 7751 7753 7753 7753 7753 7753 7753 7753		

Statement of Condemnation Cases During Fiscal Year Ending April 17, 1899-Continued.

Street	Prom	To	Verdict	Verdict Readered	Ben	Benefits	Statute of State
			Mayor's Court	Circuit	Kansas Property City Owners	Property Owners	Status of Case
Broadway	Thirty-eighth at Ninth at Troost av		Jan. 27, 1890 Apr. 19, 1890		1.00	M78.00	Wepcaled 478.00 Appealed, 118.00 Not confirmed
Central st Cleveland av Vine st	S. line John Harris add Fourteenth st. Tenth st.		Apr. 25, 1869 Mar. 30, 1899 Mar. 20, 1899		1.98	1727.00	1757.00 1509.00 Appealed 390.00 Collecting.
Warwick byd Aliey south of 12th st. Walrend av	Woodland av Central sixth st. S. Inte Alexander Park	Acceptance of the Park	May 8, 1800.		1.00	100.00	Repealed. Pending. 100:00 Complete.
Seventh st Charlotte st	Brooklyn av. Thirty-second st.				5.5		Pending.
Olive at. Thirty-first st.	30 ft south of center of 31st st. Troost av.	N. Hue Commonwealth av	Many to, town		200	Pending.	onne on Not confirmed.
Breadway Thirty-first at Sommit et Twentechtied et	Anity-eighth st Main st Thirty-eighth st Grand av						
Campbell st. Cleveland av Euclid av		Hill Park add					
Alley between Main and Baltimore Campbell st	Forty-second st. S. line llacon Hill Park	Forty-third at Thirty-first at					
Alleys in block bet. K. C. Belt Ry. and 21st st.	Benton byd	FORTY-RISE W.					
Franklin av. Cherry st. Thirto-frat st	R. line S. W. J. Sec. 6 T. 49 R. 33. Thirty-third st.	Allen av Thirty-Gunth st.			0.0	1999.00	1999 .00 Collecting.
Thirty-third at Cleveland av	Troost av Ninth st.	Lydia av Twelfth st	100000000000000000000000000000000000000	Mar. 11, 1899, May 8, 1890.		1899.00	5679 50 Appeal Dis. Collecting
Main st. Thirty-ninth st. Chestnut av.	A 2 2 4	Street immediately north Forty-first st Genessee st Eleventh st		Oct. 18, 1818.		Proper ty deeded	ulto
	Fourteenth st	Fifteenth st			***************************************		

Statement of Grading Cases During Fiscal Year Ending April 17, 1899.

	Ì	ct. 21, '98	
	Status of Case	Collecting. No proceedings. Complete, contract let. No proceedings. Pending. Collecting. Pending. Pending. Pending. Pending. Complete, contract let. No proceedings. Complete, contract let. No proceedings. Complete, contract let. No proceedings. Complete, contract let. Complete, contract let. No proceedings. D. B. B. Dismissed. Complete, contract let. Complete. Complete, contract let.	Pending. New Trial. Complete, contract let. New Trial. Pending.
.fts	Prop. Own.	2210.00 2210.00 8.512.00 8.512.00 8.512.00 100.00 100.00 6888.00	
Benefits	Kan- sas City		
Date of	Trial	Apr. 16, 1896 Nov. 28, 1896 Oct. 24, 1896 May 29, 1897 Apr. 21, 1897 May 28, 1897 May 28, 1897 May 28, 1897 June 8, 1897 June 4, 1899 June 4, 1899 June 4, 1899 July 16, 1898 May 21, 1896 July 16, 1898 May 21, 1898	Mar. 4, 1899 Mar. 4, 1899
***	To	Eighteenh st. Apr.16, 1894	W. Prospect place W. Prospect place Indiana ave Twenty-first st
	From	Fernsylvania ave Fifteenth st Grand ave Grand ave Grand ave Wabash ave Olive st Wile of blk 3 Winter park Walrond ave Malrond ave Walrond ave Walrond ave Walrond ave Twenty-third st Fifteenth st Fifteenth st Fifteenth st Fifteenth st Fifteenth st Thirty-fourth st Thirty-fourth st Thirty-fourth st Tenth st Thirty-fourth st Thirty-fourth st Tenth st Thirty-fourth st Tenth st	
	Street or Alley	Monigall ave Alley burned No of 18th st. Alley immed No of 18th st. Alley immed So of 18th st. Alley immed So of 18th st. Alley immed So of 18th st. Grove st. Crower st. Crower st. Crower st. Crower st. Alley bet Garner and Thompson. Morrell ave Morrell ave Morrell ave Morrec st. Alley bet Holly and Mercier Morrec st. Campbell st. Twenty-seventh st. Alley bet Grove and Florn ave Eleventh st. Alley bet Reservoir and Cliff Alley bet Reservoir and Cliff Alley bet Hourison and Pennsyl Alley bet Hourison and Pennsyl Alley bet Harrison and Pennsyl Alley bet Troost and Porest Central st. Thirty-diff st. Thirty-diff st. Thirty-diff st. Thirty-diff st. Thirty-diff st. Alley bet Troost and Porest Central st. The S and W alleys and the N The B and W alleys and Grove st. Alley bet Colive and Wabash	
Ordinance	Date Approved		808 808 1808 1808
6	No.		97.99 7.25 2.97.79 2.77.9 87.79

		# # # #
		lov. 4,
Statute of Plane	Matus of Case	Complete, contract let. Complete, contract let. Complete, contract let. Complete, contract let. IT 00 Collecting. Complete, contract let. Complete, co
	Prop.	1 :: :8 :8 : : : :8 : : : : : : : : : :
Benefits		
2	Kan City	
Date of	Trial	Jan. 20,1859 Jan. 11,1859 Jan. 12,1859 K Ruchd, Apr. 4, 1899 eb. 21,1899 Feb. 21,1899
-	To	Alley E of McGee at Eleventh at Eleventh at Cleveland wave Therewhore and Therewhore at Twelfth at Thirry-sixth at Each boule-and Benton boule-and Benton boule-and Benton boule-and Benton boule-and Benton boule-and Benton boule-and Thirry-sixth at Thirry
No.	Prom	Grand ave Tenth 84. Bellefontaine ave Benton boulevard Thirty-first st. Eleventh 84. Eleventh 84. Eleventh 84. Eleventh 84. Fare out 184. Thirty-fourth 84. Frospect ave Fros
	Street or Alley	Twenty-third at Alley for Locust and Cherry Prety and 20th at Alley for Locust and Cherry and Alley bet Locust and Peery ave Alley bet Lith at and Peery ave Alley bet Locust and Holmes Alley bet Cherry and Holmes Cherry at Cherry and Holmes Cherry and Holmes Cherry at Cherry and Holmes Cherry at Cherry and Holmes Cherry at Cherry and Cherry Cherry and Cherr
	pano	The state of the s
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Ordinance	Date Approved	I SE THE THE THE THE THE THE THE THE THE TH
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	No.	PARTIE STATE OF THE STATE OF TH

Statement of Grading Cases During Fiscal Year Ending April 17, 1899. - Continued.

Thirty-third st. Flighth st. Thirty-third st. Flighth st. Seventh st. Short ave. Smart ave. Smart ave. Twenty-ninth st. Twenty-ninth st. Twenty-ninth st. Indiana ave. Pennsywania ave. Pennsywania ave. Pennsywania ave. Twenty-fourth st. Jafra st. Wyandotte st. Wyandotte st. Wyandotte st. Wyandotte st. Wyandotte st. Siriachenh st. Siriachenh st. Thirty-ninth st.	the st. Thirty-second st. Thirty-fifth st. Cherry st. Cherry st. Thirty-third st. Thirty-third st. Thirty-third st. Eighth st. Thirty-third st. Eighth st. Thirty-third st. Seventh st. Seventh st. Seventh st. Smart ave. Twenty-ninh st. Noncteenth st. Hudiana ave. Rennsyivania ave. Rennsyivania ave. Rennsyivania ave. Rennsyivania st. Twenty-fourth st. Jaffa St. Wyandotte st. Thirty-ninth st. Smart ave. Elizabeth st. Thirty-ninth st.
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Statement of Streets Paved With Asphalt at Close of Fiscal Year Ending April 17th, 1899, at Noon.

			Sper	specificat'ns	1118		M	Maintenance				Par.		
Street	From	4	Asplant	Bitt. Conc.	Conc. Inch.	Accepted	Acts	Expires	Lincal	mile	Square	Cost Per	Contractor	Surties
1	E. line Wabash av		20.20	25.		02.7	11.2 6	19,	161	80.77	1,282	20,00	Barber A.	P. Co Fid and Dep. Co. of Maryland, H. J. McGowan, W. F. Wyaman, W. A. Bunker, J. W. Swain.
314	Sixteenth st	Independence av	221	DI.	220	Nov. 20, 1889 Nov. 23, 1889	50	5 Nov. 20, 1804	848.00	197	2,498.10	29.00.0		J. W. Swain, M. H. Wright, Willard E. Wlaner, J. W. Swalu.
1 0	South line 9th st	South line loth st.	100	135	200	Nov. 20, 1896.	-	777	435	1 5	1,529.00		7:	National Surety Co. H. D. McGowan.
av.		Amie st.	24:			1007 '0 611		my of road	697.6	2 3	2,198.00	9.29.5	Gilsonite R.	Miss, Valley Trust Co. J. F. Halpin.
	K. C. Belt Ry	Fourteenth st Twenty-sixth st	2017			Aug. 8, 1894.	2 : 15	5 Oct 15 1900	3,482.00	1 :5	14,163.60	24 -5	Gilsonite R.	Co Hugh J. McFowan, R. M. Snyder. Co Miss. Valley Trust Co., J. F. Halpin.
200	of B'way	A CHILD St				OCt. 10, 1800,	-	Ct. 10, 1900.	4,449.		9,119.0		Barber A. F.	o w. C. Glass, Hugh J. McCowan,
13	7 16th st. South line 10th st.	South line 21st st	135	13%	old A	Aug. 9, 1897.	1313	Aug. 9, 1902	2,540.40	0 -42	3,871.2	20 2 08 40 2 12	Gilson Asp.	Co H. J. McGowan, Joseph Lorie, Nat. Surety Co.
0	Hunter av.	Westport av	136	150	-		0	(1) (1) (1) (1)	4,740.	0	12,256.00	24		H. J. McGowan, Joseph Lorie.
Brooklyn av	Pendleton av	-	136	13%	0 F	Oct., 19, 1898.	-	5 Oct. 19, 1903.	101	00	1,170.20	0 2 12		American Surety Co. of N. Y., H. J. McGowan.
Broadway	Vidili st.	B'way, 15th st	136	136	2	Nov. 3, 1898.	-	5 Nov. 5, 1908.	. 207.00		3,408.50	0 2 12		Fid. and Dep. Co. of Maryland, H. J. McGowan.
Broadway	B'way loth st	16th st.	125	155	2	Nov. B, 1808	12	Nov, 3, 1903.	551.70	0	1,964.7	70 9.12	*	American Surety Co. of N. Y., H. J. McGowan.
chales AV	13	St. John av	156	1%	- N	Nov. 30, 1808.	101	lov. 80, 1903	199		2,097.0	01		National Surety Co., H. J. McGowan.
	Fighth at	Thirty-first st	24 74	: :	a a	Nov. 7, 1891.	010	Dec. 51, 1896 Nov. 7, 1896	3,036.00	00.00	080, 00			R. W. Hocker, R. Callaway, W. E. Hall.
	******	Sixteenth at	79	100		100	100	fay, 26, 1896.	426	13	1,708.30	24		W. E. Hall, R. W. Hocker, Jas. G. Strean
	Sixteenth st	Seventeenth at	21	27	20	Nov. 22, 1895.	-	5 Nov. 22, 1900.	9 190 00		1,920,50	21 3		Hugh J. McGowan, W. C. Scarritt.
	10000	Ninth st	. 20	132	4	25	F. / T	5 Dec. 24, 1900	200	0 .17	8,897.30	0.00		F. Ballingall, W. C. Glass.
	Fwelfth st.	Fifteenth st.	22	2.5	40	Dec. 31, 1895.	042	5 Dec. 31, 1900.	910 60	20	4,258.40			W. C. Glass, C. F. Ballingal.
	18-10	i S line lots (1-59.	1	77.1	, ,	200 100 100	45		-		. 00.0			and the second of the second o
clotte st	Bencon Hill Park.	North line	F.73	400	2	Sept. 22, 1897.	9	Sept. 22, 1902	494.00	90'	1,691.	30 2 12		H. J. McGowan, Jos. Lorie, Nat. Sur. Co.
Charles 11 H	wenty-ninth st	Beacon Hill Park	22	135	-	Sept. 22, 1807.		5 Sept. 22, 1902		0.04	668.7	21		H. J. McCowau, Jos. Lorie, Nat. Sur. Co.
Campiella	hirty-first at	Thirty-second st.	172	22			4.0	GOTTO COM	610		1,507.00	88		H. J. McGowan, W. C. Glass.

Statement of Streets Paved With Asphalt at Close of Fiscal Year Ending April 17, 1899, at Noon.-Continued.

From To From To Free Control of Thirdy-fourth st Thirty-fourth st Thirty			97	Specificat'ns	sat'ns			-	tainte	Maintenance	-	-		bı			-		
st. Thirty-fourth st. Thirty-fifth st. 135 135 4 Sept. 13, 1806, 5 Sept. 13, 1806, 1401.0 1 1416.89 2 12 Sept. 14, 1806, 1401.0 14	Street	From			Hyd. Cem.		cepted		Exj	pires	Lineal Feet		Square	Cost Per Square Ya		Contractor.		Surcties	
st. Prospect av. Indiana av. 255 6 Nov. 18, 1801, 5 June 26, 1806, 2578,00 49 8586,59 9 80 8t. Main st. Cranda av. Cranda av. 255 6 Nov. 18, 1802, 5 Nov. 18, 1807, 6 Nov. 19, 1807, 6 Nov. 19, 1807, 6 Nov. 19, 1807, 6 Nov. 19, 1807, 6 Nov. 10, 177, 6 No. 175, 6 Nov. 19, 1807, 6 Nov. 21, 1807, 6 Nov. 21, 1807, 6 Nov. 21, 1807, 6 Nov. 21, 1807, 7 Novelhad av. Wince olive at 18, 1807, 7 Nov. 21, 1807, 7 Nov. 19, 18	11	ine 12th st	1 1	5000	_		130	10 10 10	Sept.	13, 1963.	1,419.10	::5	1,887.0	्रा वा व		A. P. C		W. C. Glass, W. C. Scarritt. The C. Tr. S. D. & S. of Phila, H. J. McGowan R. Callaway, W. R. Hall, R. W. Hocker	la, H. J. McGowan.
Cherry Pennsylvania av. W si, lefferson st 2 0 Oct. 30, 1868. 0 1867, 304,00 0 0 1075,00 2 0 St. Crand av. W codland av. 2 0 Old Aug. 8, 1868. 0 Aug. 8, 1868. 0 157,00 2 0 St. Crand av. Woodland av. 2 2 Old Aug. 8, 1868. 0 1869. 0 157,00 2 0 St. Crand av. Crerry st. 2 2 Old Aug. 8, 1869. 0 0 0 0 0 Granfeld av. Clivers st. 2 2 Old Aug. 7, 1869. 0 0 0 0 0 Grand av. Crerry st. 2 2 Old Aug. 7, 1869. 0 0 0 0 0 Wyandotte st. Vyandotte st. 2 2 Old Aug. 7, 1865. 0 0 0 0 0 0 Broadway Lydia av. Stone N 1 0 0 0 0 0 0 Broadway Lydia av. Stone N 1 0 0 0 0 0 0 Baltimore av. Broadway 1 0 0 0 0 0 0 0 0 E I Woodland av. 1 0 0 0 0 0 0 0 0 0	th st.	ospect av	Indiana av				19,	1.1.1	June Nov. 1		-	* * *	2,028.7			* * 1	Z.E.	W. Hocker, R. Callaway, K. F. Hall, R. Callaway, K.	-3
st. Grand av. Moodanda v. 2 2 0d Ang 2, 1896 9	: :	nnsylvania av.	W si. Jefferson st Troost av		1 4	Oct.	14, 189 30, 189		Oct. 3		1,564.0		6.508.9	24 24 2			> 24 0	E. Hall, R. C. W. Hocker, W.	300
Wyandotte st. Central st. 2 2 Old Aug. 27, 1895 5 Aug. 27, 1800 1710 08 1417.00 2.65 Delaware st. Wyandotte st. 2 2 Old Aug. 27, 1805 5 Aug. 27, 1800 5 500.00 09 1416.30 2.65 Broadway Summit st. 15 14 01 Dec. 24, 1806 5 Dec. 18, 1800 5 5 5, 1800 0 12 5, 1816.00 2.65 Main st. Lydia av. 15 15 01 Dec. 24, 1806 5 Dec. 18, 1800 5 5 5, 1816.00 2.65 Main st. Wyandotte av. 15 15 01 Dec. 24, 1800 5 Dec. 26, 1800 1, 1820 0 15 5, 1816.00 2.65 Baltimore av. Broadway 15 15 01 Dec. 26, 1800 1, 1800 1, 1820 0 15 5, 1800 1, 1800 1, 1820 0 15 5, 1800 1, 1800 1, 1820 0 15 5, 1800 1, 1800 1, 1820 0 15 5, 1800 1, 1800 1, 1820 0 15 5, 1800 1, 1800	st	rfield av				May	187	21010	May 2	5, 1800.	886.0	-	8,720.9	24 24 21		T. I. A	Co H	S. Scarritt, E.	L. Martin, H. J. McGowan.
st Broadway Summit st. 1% 1% 1% old Dec. 24, 1865, 9 Dec. 24, 1900, 1,301,00, 25 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 6 6 7 100 1,301,00 25 5 5 5 5 5 5 5 5 5 5 6 7 100 1,301,00 25 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		yandotte st			_	Aug	22	10.10.1	Aug.	1-1-	174.0		487.6	21 21		14:		J. McGowan, R.	ler.
Main st. Mondrad av. 155 18 01d Dec. 20, 1805. 6 Dec. 20, 1900. 255.00 .05 1,008.10 2.50 Lydia st. Woodland av. 155 19 01d Oct. 20, 1806. 6 Oct. 20, 1900. 1,012.00 4,772.90 2.15 Battimore av. Broadway. 155 155 01d Oct. 20, 1806. 6 Oct. 20, 1900. 1,012.00 4,777.80 2.15 E. Nordrad av W line Olive st. 155 155 6 June 25, 1807. 5 June 25, 1802. 1,012.00 4,777.80 2.15 E. Nordrad av W line Summit st. 155 155 6 June 25, 1807. 5 June 25, 1802. 1,012.00	st	k st	-	223	es Lés	Dec	16, 18	010	Dec. 1			2.3	11,828.8	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			20	ity T. S. D. Co. of Phila, H. J. McGowan	Phila, H. J. McGowan.
B. Woodland av W inc Glive st. 15; 15; 6 June 25; 1867. 5 Dec. 30, 1807. 1, 187.20 2. 20 E. Woodland av W inc Glive st. 15; 15; 6 July 25; 1807. 5 July 25; 1902. 1, 101.40 21 4,085,00 2. 12 E. Line Bway E. Line Summit st. 15; 15; 4 July 25; 1807. 5 Nov. 25; 1902. 1, 101.40 21 4,085,00 2. 12 E. Line McCee st. Oak st. 25 4 Oct. 18; 1805. 5 Oct. 18; 1908. 1, 1805. 1	11	dia st		32.30	100160	Dec.	29, 189		Dec. 2	9, 1900.	1,312.0	- 4	1,068.1				HKI	H, C. McGowan, W. C. Glass, C. F. Ballingall National Surety Co., H. J. McGowan.	s, C. F. Ballingall.
E line McGee at 7 Oak at 15 15 4 Oct. 19, 1805 5 Nov. 25, 1902 160, 20, 04 E91.10 2 10 Seventh st. Eighth st. 15 15 4 Nov. 17, 1805 5 Oct. 19, 1905 2 10 E80.40 2 12 E80.40 2 E80.40 2 12 E80.40 2 E8	: 14	Itimore av I, Woodland av line B'wav				June	18. 18. 18. 18. 18. 18. 18. 18. 18. 18.		June July 2	25, 1902. 3, 1902.	1,847.9		5.254.7					H. J. McGowan, W. C. Glass, C. F. Batimgail. H. J. McGowan, National Surety Co. of Maryla'd Joseph Lorie, The Fidelity Dep. Co. of Maryla'd	urety Co. Dep. Co. of Maryla'd
Forest av Carfield av 115 115 4 Nov. 17, 1808 5 Nov. 17, 1606 3,759,89 11,560,70 2 12 Ninth st. Twelfth st. 2 4 Nov. 4, 1808 5 Nov. 4, 1903 1,165,50 3,451,560 2 12 Twelfth st. Fifteenth st. 2 6 Nov. 4, 1808 5 Nov. 4, 1903 1,121,96 3,055,90 2 10 Campbell st. Virginia av 2 6 Dec. 20, 1888 5 Nov. 2, 1803 1,574,00 39 10,004,59 2 80 Twenty-seco'd st Twenty-sev'th st 2 2 6 Inne 16, 1806 5 Nov. 19, 1806 3,075,00 38 10,801,60 2 80 Twenty-seco'd st Twenty-sev'th st 2 2 6 Inne 16, 1806 5 Nov. 19, 1806 3,075,00 38 10,201,60 2 80 Twenty-seco'd st Twenty-sev'th st 2 2 6 Inne 16, 1806 3,075,00 38 10,201,60 2 80 Twenty-seco'd st Twenty-sev'th st 2 2 6 Inne 16, 1806 3,075,00 38 10,201,60 2 80 Twenty-seco'd st Twenty-sev'th st 2 2 6 Inne 16, 1806 3,075,00 38 10,201,60 3 80 Twenty-seco'd st Twenty-sev'th st 2 2 6 Inne 16, 1806 3,075,00 38 10,201,60 3 80 Twenty-seco'd st Twenty-sev'th st 2 2 6 Inne 16, 1806 3,075,00 38 10,201,60 3 80 Twenty-seco'd st Twenty-sev'th st 2 2 6 Inne 16, 1806 3,075,00 38 10,201,60 3 80 Twenty-seco'd st Twenty-sev'th st 2 2 6 Inne 16, 1806 3,075,00 38 10,201,60 3 80 Twenty-seco'd st Twenty-sev'th st 2 2 6 Inne 16, 1806 3,075,00 38 10,201,60 3 80 Twenty-seco'd st Twenty-sev'th st 2 2 6 Inne 16, 1806 3,075,00 38 10,201,60 3 80 Twenty-seco'd st Twenty-sev'th st 2 2 6 Inne 16, 1806 3,075,00 38 Twenty-seco'd st Twenty-sev'th st 2 2 6 Inne 16, 1806 3,075,00 38 Twenty-seco'd st T		line McGee st.	Eighth st.	155		Nov.	19, 180		Nov.	23, 1902.	196.2		586.16		_	A. P. Co.	:	Mississippi Valley Trust Co.	ind, H. J. McGowan.
Twelfth st. Fifteenth st. 2 6 June 20, 1808. 5 June 20, 1908. 1.121,90 5,055,90 2 10 (Campbell st. Virginia av. 2% 6 Dec. 20, 1888. 5 Luce 20, 1808. 1.571,00 30 10,004,50 2 80 Twenty-seco'd st Twenty-seco'th st 2% 6 June 16, 1806. 5 June 16, 1808. 3,075,00 58 10,811,00 2 80 Walnut et Grand av. 0 An Order 1809 5 Nov. 10 1807 5 27 10 04 59 3 2 6	11	rest av	Garfield av	152	44	Nov	4, 1808		Nov.	17, 1903.	2,780.8		3,451.50		_	= =		The U. S. Fid. and Guar. Co., H. J. McGowan, American Surety Co. of N. Y., H. J. McGowan	Y., H. J. McGowan,
Twenty-seco d at Twenty-sec'th st 255 6 June 16, 1860 a June 16, 1860, a 16,0500 as 10,861,00 Welvint st 255 6 June 16, 1860 a June 16, 1860, a 16,0500 as 10,861,00	1 1	mpbell st	Fifteenth st	20.00		June Dec.	20, 18	(S. (S.	June Dec. 2	90, 1903.	1,574.0		10,904.5		-	A. P. C.	P.Co N	Miss. Valley Trust Co., J. F. Halpin. J. W. Swain, J. K. Burnham, W. F. Wyman.	a, W. F. Wyman.
Main st. (Wallnut st. 2 2 Old April 27 1808 5 April 27 1809 00 1.559.40		Twenty-seco'd st Walnut st Main st	Twenty-sev'th st Grand av	201 201 201 201 201 201	PIO	Nov	19, 18		Nov.				524,30				HX.H	K. Burnham, M. B. Wright, B. M. Tanner, W. Hocker, W. E. Hall, R. Collaway, L. J. McGowan, R. I. Snyder,	nt, B. M. Tanner. R. Collaway. er.

Statement of Streets Paved With Asphalt at Close of Fiscal Year Ending April 17th, 1899, at Noon. - Continued.

			Specificat'ns		Maintenance		-		pa		
Ntreet	From	Å	Asphalt Inches Blut Cone Hyd. Cem Cone, Inches	Accepted	Years Expires	Lineal Feet	solite	Square Yards	Cost per Square Yai	Contractor	Suretics
Fifth at Forest ave Fifteenth at Fifteenth at Fifteenth at Fifteenth at Fifteenth at Fifteenth at Forest ave	Main st. Indep. ave. Grand ave. Broadway. Main st. Twelfth st.	Walnut, st. Twelfth st. Campbell st. Virginia ave. Grand ave. Rifteenth st. R. I to onte a	22 22 25 22 22 25 20 20 20 20 20 20 20 20 20 20 20 20 20 2	Dec. 7, 1894. Sept. 22, 1894. Dec. 20, 1894. Dec. 5, 1894. Nov. 10, 1896. Feb. 4, 1896.	5 Sept. 22, 1809. 5 Sept. 22, 1809. 5 Dec. 26, 1809. 6 Nov. 19, 1903. 5 Feb. 4, 1903.	2,675.00 2,875.00 5,782.00 1,863.00 1,863.00	221888	817.40 %2 11.027.00 g 9,567.10 g 1.085.00 g 5,026.80 g	を を を を を を を を を を を を を を	Barber A. P. Co	H. J. McGowan, Jos. J. Mercier, H. J. McGowan, Jos. J. Mercier, City T. S. D. & S. Co. of Phila, H. J. McGowan R. M. Snyder, Jos. M. Lorie, Am. Surety Co. National Surety Co., H. J. McGowan, H. J. McGowan, Jos. Lorie, W. C. Glass,
Forty-fourth st forest ave	orty-fourth st Oak st. Orest ave. Eighteenth st. Orest ave. Twenty-secvith st. orest ave. Fifteenth st	7 O'Donnels add. Twenty-sec'd st. st Thirty-first st. Eighteenth st. (W.line of Alley	2222 2222 40-6	Mar. 11, 1808. June 28, 1808. Aug. 3, 1808. Oct. 6, 1808.	5 Mar. 11, 1903 5 June 28, 1903 5 Aug. 3, 1905 5 Oct. 6, 1903	1,746,30 2,576,10 1,876,00	1111	2,198,30 7,112,80 8,872,80 6,730,40	2222	1111	H. J. McGownn, W. C. Glass, Fid. and Dep. Co. of Maryland, H. J. McGownn, Am. Surety Co. of N. Y., H. J. McGownn, The U. S. Fid. and Dep. Co., H. J. McGownn.
Afteenth st	Broadway	- bet Central and Wyandotte st.	1% 1% 4	Nov. 3, 1898.	5 Nov. 3, 1963.	499.30	:	1,477.60 2	27	¥	The U. S. Fid. and Gran. Co., H. J. McGowan
pourteenth at pourteenth at grand ave Mann Grand ave	Woodland ave Madison ave. Ninth at Pintcenth at. Ninth at. Sinth at. Seventh at. Pinteth at. Pinteth at.	Park ave Belleview ave Belleview ave Thirteenth at Tweifth at Tweifth at Thirty-first at Sit john ave Sit John ave	: : : : : : : : : : : : : : : : : : :	May 24, 1808, Nov. 12, 1808, Nov. 12, 1804, Nay 51, 1804, Nov. 21, 1806, Nov. 19, 1806, Nax. 10, 1807, Aug. 9, 1805,	8 May 24, 1906 5 Nov. 12, 1908 5 Dec. 11, 1806 6 May 31, 1806 6 June 16, 1896 6 Nov. 19, 1901 5 Dec. 13, 1901 5 Mar. 10, 1905 6 Mar. 10, 1905 6 Aug. 9, 1900.	1,890.40 279.00 1,717.00 8,482.00 8,826.00 8,826.00 6,886.00 5,986.00 1,2578.00	::12855022	4,054,00 20,000,30 21,275,80 21,275,80 31,40,00 31,613,00 31,613,00 8,362,80 8,364,81 8,364,81 8,364,81	2226632333	Gilsonite R & P Co	Miss. Valley Tr. Co., J. F. Halpin. Miss. Valley Tr. Co., J. F. Halpin. Am. Surety Co., H. J. McGowan. Nat. Surety Co. of Maryland, H. J. McGowan Fid. and Dep. Co. of Maryland, H. J. McGowan Am. Surety Co., H. J. McGowan Am. Surety Co., H. J. McGowan Fid. and Dep. Co. of Maryland, Nat. Surety Co. J. Jorie, B. B. Joffee, H. J. McGowan.
Company of the Compan	wentieth st ndep. ave. dxth st welfth st gybth st	Ninth st. Ninth st. Ninth st. Sixteenth st. Eighteenth st. Twelfth st.	2004444 118.22 118.22	May 8, 1897. July 13, 1898. Dec. 3, 1898. May 12, 1890. June 15, 1890. Oct. 18, 1890. July 31, 1891.	5 May 8, 1902. 8 July 13, 1903. 5 Dec. 3, 1898. 5 May 12, 1901. 5 June 15, 1808. 5 Oct. 19, 1800. 6 July 31, 1896.	788.00 710.00 1,728.00 666.00 1,540.00 1,419.00	A : 48488	4,570.00 8,468.70 9,468.90 9,046.80 9,046.80 9,046.80 9,046.80 9,046.80	8 88823	Gilsonite R & P Co.	Am. Surety Co. of N. Y., Juffus Bachman. J. K. Burnham, J. W. Swain, W. F. Wyman. G. F. Ballingull, W. C. Glass. W. E. Hall, R. W. Hocker, J. G. Stream, W. E. Hall, R. W. Hocker, J. G. Stream, W. L. Scarritt, E. L. Martin, H. J. McGowan, W. L. Scarritt, E. L. Martin, H. J. McGowan

Statement of Streets Paved With Asphalt at Close of Fiscal Year Ending April 17th, 1899-Continued.

			Specificatins	cal'ns		Mai	Maintenance						
Street	From	To	Asphalt inches Bitn. Conc.	Hyd. Cem. Conc. In.	Accepted	Years	Expires	Lineal	Miles	Square yards s	Cost per sq yd	Contractor	Sureties.
A SA.	88 84 8 84 8 84 8 8 8 8 8 8 8 8 8 8 8 8	Tenth st. Thirty-second st. Wyandotte st. Wyandotte st. Thirty-fourth st. Thirty-first st. Thirty-first st. Thirty-first st. Thirty-first st. Thirty-first st. Fifteenth st. Sixteenth st. Eighteenth st. Eighteenth st. Eighteenth st. Eighteenth st. Eighteenth st. Eighteenth st. Fifteenth st. Fifteenth st. Fifteenth st. Fifteenth st. Thirty-third st. Walbash av.	22 22 : 2222 : 2222	++ NN0 000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2, 1865. 2, 1866. 2, 1866. 2, 1866. 2, 1866. 2, 1866. 2, 1866. 2, 1866. 2, 1866. 2, 1866. 2, 1866. 3, 1866. 3, 1866. 3, 1866. 3, 1866. 4, 1866.		8, 1900 24, 1908 24, 1908 27, 1908 27, 1908 27, 1908 28, 1909 28, 1908 28, 1908 28, 1908 28, 1908 28, 1908 28, 1908 28, 1908	755.00 672.00.1 672.00.1 1425.00.5 5,075.00 775.00 625.00 1420.20 621.00	200			Gilsonite R & P Co. Barber Asp. P. Co. Barber Asp. P. Co. Gilsonite R & P Co. Barber Asp. P. Co. Barber Asp. P. Co. """ """ "" """ """ """ """ """ """ ""	Barber Asp. P. Co. H. J. McGowan, W. C. Glass, C. F. Ballingall, W. C. Scarritt, W. C. Glass. W. C. Scarritt, W. C. Glass. H. J. McGowan, Jos. Lords. Barber Asp. F. Co. H. J. McGowan, Jos. Lords. J. McGowan, R. W. Hocker, J. G. Strean, W. E. Hall McGowan, R. W. Hocker, J. G. Strean, W. E. Hall McGowan, R. M. Suvely Co. H. J. McGowan, R. M. Suvely Co. H. J. McGowan, R. M. Suvely Co. Mary R. Co. J. F. Halpin. Barber Asp. P. Co. Miss. Valley Trust Co. J. F. Halpin. Barber Asp. P. Co. W. C. Glass, H. J. McGowan, W. C. Glass. W. C. Glass, C. F. Ballingall, F. & D. Co. of Maryland, Ambrose Talbott, American Survey Co. H. J. McGowan, G. P. Kirtley, F. P. McCormick, Harber Asp. P. Co. H. J. McGowan, G. Y. Surilley, R. S. Co., Of Phila. Willard E. Winner, J. K. Burnham, C. P. Perrin, J. K. Burnham, J. W. Swali, M. B. Wright, H. J. McGowan, W. C. Glass.
Main st. Michigan av. Main st.	Fifth st. Missouriay. Twelfth st. Seventh st.	Sixth st	20 20 00 00 00 00 00 00 00 00 00 00 00 0	PIO PIO	Dec. 4, 1890. Oct. 14, 1892. Dec. 16, 1898. Oct. 26, 1892. Oct. 10, 1896.	o co	18.5. 1887. 15. 1887. 15. 1887.	673.00 673.00 1,826.00 2,011.00 927.00	52587	1,099.90 2,861.20 5,518.70 8,009.20 8,279.80	28282 22222		J. K. Burnham, J. W. Swain, M. B. Wright, R. Callawaw, W. E. Hall, R. W. Hocker, P. D. Co. of Maryland, H. J. McGowan, R. Callaway, W. E. Hall, R. W. Hocker, American Surety Co., H. J. McGowan.

Statement of Streets Paved With Asphalt at Close of Fiscal Year Ending April 17, 1899-Continued.

			Specificat'na	CHI'B	*			Maintenance	THREE	H					24.5			
Street	Prom	To	Asphalt Inches Bitu. Conc.	Hyd. Cem. Cone Inch.		Accepted	Years		Expires		Lincal	Miles	Square	Cost Per	ra annibs	Contractor	10	Sureties
Main st.	Third M.	. Missouri av	136 1	2 old	d Nov.	77.	1800	5 Sept. 1	15.5	1808	987.00	15	2,485.10	65 65 65 65 65 65 65 65 65 65 65 65 65 6		Barber A. F	P. Co.	H. J. McGowan, J. G. Strean, R. M. Snyder. City T. S. D. & S. Co. of Phila., H. J. McGowan
Maln st	Slat at	Westport av	136	15 OM	N					B.	00.017,0	-	23,807.00	-	619	2		II. J. McGowan, R. M. Suyder.
Metrier Place.		North line of	155	192 4	Oct.	18,	1808	5 Oct.	18,	1908 1,210.90		1	8,420.10	2 12	- 21			National Surety Co., H. J. McGowan.
Montgall av	Indep. av	Kast Pifth st	9		Sept	133,	1808	8 Sept.	13,	1906 1, 459,30	450,30	1	4,0833.60	0 2 10		nite R &	PCO	Gilsonite R & P Co Miss, Valley Trust Co., J. F. Halpin,
Ninth st	N	Washington st Prospect av.	24.24		June	e 4,	1800	5 June 4,	4, 1	1901	460.00	-	1,031.10	8 8 8	-	Barber A. P.	Co.	Jos. Loric, B. B. Joffee, H. J. McGowan, J. K. Burnham, J. W. Swain, W. F. Wyman
	11	Broadway		*		# N		5 Sept.	# N		2,833,00	司运	3,612.00	24 24	10.0	111		R. W. Hocker, W. E. Hall, R. Callaway. H. J. McGowan, R. W. Hocker, R. M. Snyder.
Nineteenth st.	9.9	Tracy av.		9 9		12.		o July	i i	+	4,3601.80	- 3	14,563L10	20 20		nite R 8	PCo	Am. Surety of N. V., Jul. Bachman, J. C. Rei
Olive st	0.3	Twelfth st.				2.8. 2.8.			28		2,581.00	2.9	9,178.10	01 01		M. Puri	nan	J. K. Burnham, J. W. Swain, W. F. Wyman, J. G. Strean, R. Callaway, W. E. Hall,
	Ke	Twenty-sixth st.				88			8 8	1800 2,1	2,868.00		9,989,60	01.01	_	oet A. 1	, Ca.	Barber A. P. Co. National Surety Co., H. J. McGowan, J. G. Strean, W. E. Hall, R. W. Hocker,
Dak st	Fifteenth st	Eighteenth st		-		0,0	1896	5 Oct.	20	1901	1,487.00	88	5,482,90	01.01		: :		American Surety Co., H. J. McGowan.
	Thirtieth st	Thirty-first st		150	Nov.	r. 11.		6 Nov.	11,	1905	879,60		1,517.60	0101	10 Gilson 12 Barb	Gilsonite R & Barber A. P.	P Co	Am. Sur. of N. V. Julius Hachman, J. C. Reiger, C. T. S. D. & S. Co. of Phila., H. I. McGowan,
Perry av	Olive st	Prospect av	0101			4. 24.			200	1800	9,612.00	113	2,001,70	0101	-	1.1.		R. W. Hocker W. E. Hall, R. Callaway. R. Callaway, W. F. Hall, R. W. Hocker.
Printegivia av	N line of 8th st	Sixteenth st		115 Old	d Sept		1900	Sept.	16,	1808 11,1	3,398,00	19'	11,000,80	0 2 0	0	4.1		H. J. McGowan, R. W. Hocker, W. E. Hall,
andleton av	Garfield av. N.	Garfield av S.	116 1	1 1/4	Aug.	76 -2	1800	6 Aug.	0	10001	920.00	70.	735.7	70 2 5	90	Ŧ		Jos. Lorie, B. B. Joffee, H. J. McGowan.
dicton av	larfield av	Carfield av	11.5	21	Aug.	200	NON	B Ang.		10001	1900 410,00	88	1,354.00		0.5	::		H. J. McGowan, B. B. Joffee, Jos. Lorie.
Proposition av	ifteenth at	Thirty-first st	151			120	808		i aig	1908 8.	8,800.40	2:	31,021,30	010	1010	1.1		National Surety Co., H. J. McGowan.
Story of the state	Cinth st	Twelfth st	145	7.7	An	, p	NON	BAUK.	Íď	ISMUT I.	1,157.40		9,771,70			2		The Fid. and Dep. Co. of Md. H. J. McGown

Statement of Streets Paved With Asphalt at Close of Fiscal Year Ending April 17, 1899.-Continued.

		33	specificat'ns	us		THE STREET	Maintenance				413		
Street	From	To	Asphalt Inches Bitu, Conc. Inches Inches	Cone, men.	Accepted	Years	Expires	Lineal Feet	eslik.	Square	Cost per Square Yan	Contractor	Sureties
Summit st. Sixteenth st. Seventh st. Seventh st. Seventh st. Seventh st. Seventh st. Sixteenth st. Sixteenth st. Sixteenth st. Sixteenth st. Seventh st. Sixteenth st. Six	Twenty-first st. S. W. Blvd. Bellevrew ave Walrond ave Walrond ave Monroe ave Prospect ave Walrond ave Broadway West line of West line of West line of Broadway West line of Broadway Woodland ave Broadway Woodland ave Grand ave Grand ave Grand ave Carfield ave Grand ave Min st. Mon st.	The state of the s	22 22 222222222 222222 22 22 22222222 22 22	MANANT OF THE OWNER OF THE	子名的第一句 智慧 野 医艾克氏氏征放射性红斑样的 化化物试验器	TO TO TO TO THE T	Nov. 4, 1884 50 Nov. 8, 1886 50 Nov. 8, 1886 50 Nov. 8, 1886 50 Aug. 9, 1809 50 Ct. 20, 1900 50 Ct. 20, 1900 50 Ct. 10, 1908 र्शन में ने र्शन वं अनेनेने ने	994.00 18	2,375,61 2,00,88 2,10,89 2,10,189 2,10,189 2,191,89 2,181,70 2,181,70 2,181,70 2,181,70 2,181,70 2,181,70 2,181,70 2,181,70 2,181,70 2,181,70 2,181,70 2,181,70 2,181,70 2,181,70 2,181,70 2,181,80 2,181,70 2,181,70 2,181,70 2,181,70 2,181,70 2,181,70 2,181,70 2,181,70 2,181,70 2,181,70 2,181,70 2,182	\$85555 46 5522222222222225556 56566 \$200000 00 0000000000000000000 \$27776 75 55565668888888888888888888888888	Barber A. P. Co	1. W. Swain, M. B. Wright, W. F. Wyman, W. F. Wyman, M. A. Bunker, J. W. Swain, W. E. Gallaws, W. E. Hall, R. Callaws, W. E. Hall, R. W. Hocker, J. G. Strean, H. J. McGowan, Joseph Lorie, B. B. Joffee, H. J. McGowan, R. M. Snyder. American Surety Co., H. J. McGowan, W. C. Glass, C. F. Ballingall, G. McGowan, H. J. McGowan, J. B. McGowan, The U. S. Fd. and Guar. Co., H. J. McGowan, The U. S. Fd. and Guar. Co., H. J. McGowan, The U. S. Fd. and Guar. Co., H. J. McGowan, The U. S. Fd. and Guar. Co., H. J. McGowan, The U. S. Fd. and Guar. Co., H. J. McGowan, The C. T. S. D. and S. Co. of Phil., H. J. McGowan, Oliss, Valley Trust Co., J. H. Halpin, Miss. Valley Trust Co., J. H. Halpin, M. Swain, W. Swain, C. Glass, J. W. Swain, R. W. Kasson, W. E. Hall, R. Callaway, J. G. Strean, R. W. McGowan, J. G. Strean, W. C. Glass, J. W. Kasson, W. E. Hall, R. Callaway, J. G. Strean, W. C. Glass, C. F. Ballingall, W. C. Glass, Am. Surety Co. of Pa., H. J. McGowan, M. S. Golsen, C. F. Ballingall, W. C. Glass, Am. Surety Co. of N. Y. H. J. McGowan,	

Statement of Streets Paved With Asphalt at Close of Fiscal Year Ending April 17, 1899.-Continued.

Prom To				Specif	Specificating	*		Mai	Maintenance	70			pa		
Twelfth at 10th at. 194 15 15 01d Dec. 10, 1806 5 Dec. 11, 1906 2,907,00 30 8, 7706.00 2.00 10th Barber A. Pav. Co 18, J. M. Hander A. Summit at. 194 15 01d Dec. 20, 1807 5 Sep. 17, 1902 1,705.00 30 8, 8706.00 2.00 10th J. M. J. Summit at. 195 15 01d Sep. 17, 1807 5 Sep. 17, 1902 1,705.00 30 1,807,00 2.00 1,707,00 10 1,707,00	Street	From		Bit. Conc.	Hyd. Cem.		pethed	Years	Expires	Lin			Cost per		Surctice
Note of Center line 18, 19, 19, 19, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	Troost ave	Twelfth st	19th st.			1 Dec	ď,	S D		00 0,200	_		00 2.30	Barber A. Pav. Co.	H. J. McGowan, W. C. Scarritt.
State of the content of the conten	+	N, line of	Center line						**	200 000	-				H. I. McGowan, W. C. Glass, C. F. Ballingall.
Cherry st. Troost ave. T	Tenth st	Broadway	Summit st			Sep	11	3 12	17,			-	90 2.12		H. J. McGowan, The Fid. and Dep. Co. of Md.
Center like	The st	Cherry st	dor			Sep	sis:	04	sisi	-		-	8 20 00	4	Constructed by private contract.
Carlet line	Brian .			-						1 487	-				Am. Surety Co. of N. V., I. F. Halpin.
State of the content of the conten	outh st	Oak st.	Ave (Main st)		. 00	Cimi's	11.		11.	1,101	+	-			
Cherry M.	Troost ave		gard st		_			0		660	-	4	1.67	ig Barber A. Pav. Co.	J. McGowan, R. M.
Amin st. Locate st. Locat	and st		Troost ave			****	*********	100	and and and	1,16	-		2.00		J. McGowan, w. c.
R. Jine Rabbey Jin	Albrid st	Oak st.	Locust st					10	Section .	4,840			*		J. McGowan, R.
Main at and Diology's and a property at a property and a property at a property and a property at a property a			E. line Halsey							a chart	-		00 0 00		I. McGowan, W.
Main 8t Cherry 8t 1 4 Apr. 20, 1888 5 Apr. 20, 1803 5,0012 6,506 00 1,844,60 2.12 4 Am. Wyandotte 8t 15, 15, 15, 15, 15, 15, 15, 15, 15, 15,	Seth st	Main st	wend Dudley's ad	11,0	22	Tan	17.		17.				0 0 12		C. Glass, W. C. s
Wyandotte 8t Hydnies 8t 174 4 pr. 20, 1886 200 188460 212 4 m. R. line Grand Freelfth 8t 15, 15, 15, 16, 16, 1886 5 oct. 6, 1886 5 oct. 16, 1886 5 oct. 16, 1886 10, 2485, 50 2.12 Am. Woodland ave Freezect ave 15, 15, 15, 16, 1886 5 oct. 16, 1886 5 oct. 16, 1886 5 oct. 16, 1886 10, 212 The Am. Sixth 8t Forest ave 15, 15, 15, 16, 1886 5 oct. 16, 1886 5 oct. 16, 1886 5 oct. 16, 1886 5 oct. 16, 1886 10, 25, 122 The Peed Sixth 8t Sixth 8t Ninth 8t Noodland ave Forest ave 15, 15, 15, 15, 1886 5 oct. 25, 1886		Main st	Cherry 8t	-	-	Part.			100	1.917	-				H. J. McGowan, W. C. Glass.
R. Hare Grand		Wyandotte st	Weandotte st	2.77	22	dv			1	545			90 2.12		
R. line Grand R. line R. Woodland ave Prospect ave Ily 119, 14 Oct. 19, 1888 5 Oct. 10, 1882,00. 212 Troost ave Nordland ave Roodland a	Tracy ave	Ninth st.	Twelfth st	7.75	-	Jun	5		6	11,276			80 2.12		Am, Surety Co. of N. Y., H. J. McGownn.
Ave and are troubed are frozenet it, it, old Oct. 19, 1806 5 Oct. 19, 1903 2 0 2 12	-	E. line Grand	E. line		. 14	000	N.		4	2 465	-	_		_	Nat. Surety Co., H. J. McGowan.
Troost ave Forest ave 115, 15, 4 Oct. 19, 1886 5 Oct. 35, 1866 5 Oct. 36, 1866	gist of	Woodland ave	Prospect ave	10	_		19,		19,	以 2,628	-	26			The U. S. Fid. and Guar. Co., H. J. McGowa
Woodland ave 13 15 04 Oct. 25 180 50ct. 25 180 160 21 22 Woodland ave Renfid ave 15 15 4 Nov. 26, 180 5 Nov. 26, 180 50 161 20 212 Prospect ave Renfid ave 15 15 4 Nov. 26, 180 5 Nov. 26, 180 160 27 27 27 Prospect ave Renfid ave 15 15 180 5 Nov. 26, 180 160 27	Twenty St.	Troost ave	Forest ave	199 1		000	6,0		19,		-	0			Not. Surety Co., H. J. McCowan.
Woodland ave Raciklave 15 15 4 Nov. 29, 1806 5 Nov. 29, 1906 1906 1,601.50 2.12 Prospect ave Cen in Forter Cen in Crewell 15 15 150 150 150 150 15 <	Tracken of	Sixth st.	Woodland ave.	11.0		Oct	38	212	18	16 2,154		-	30 2.12		The C. T. S. D. and S. C. of Phila., H. J. McG.
Prospect ave Cever of 15, 15, 15, 16, 17, 1888 5 Nov. 29, 1968 1,006.00 18.000.00 2.12 1885 5 Nov. 29, 1968 1,006.00 1872.00 2.12 1885 5 Nov. 20, 1968 1,006.00 1473.00 2.12 1473.00 2.13 1473.00 2.13 1473.00 2.13 1473.00 2.13 1473.00 2.13 1885 5 Nov. 2, 1968 5 Nov. 20, 1968 5 Nov. 2, 1968 5 N	Twelling	Woodland ave	Enelidave	11.5 1			- 29.	0	. 29,	08 260	-	_	27.75		
Sixth et Sixth et Sixth et Dec. 1, 1806 6 Dec. 1, 1904 665.40 1, 272.70 2.12 Gil. Rf. & Pav. Co. Sixth et Eighth et. 2 6 June 2, 1806 6 June 2, 1904 665.40 1, 473.30 2.12 Gil. Rf. & Pav. Co. Broadway Pennsyvenit av 2 6 June 2, 1806 6 June 2, 1906 664.20 1, 185.30 2.12 Gil. Rf. & Pav. Co. Lincipond et Sixth et. Eleventh et. 1, 180 5 June 2, 1906 6 June	Like or at		Road or Cleve'ld	144 1			28		99		-		90 2.12	1	H. J.
Sixth at Eighth at 2 6 June 2 1808 8 June 2 180 6 6 July 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Twelfin		asrd st.	1.0			-		1		00	2,782	20 5.12		The C. T. S. D. and S. Co. of Phila, H. J. McG.
Tenth 4. [15,30] 2.12 Harber A. Pav. Co. [15,30] 2.13 Harber A. Pav. Co. [155,30] 2.12 Harber A. Pav. Co. [155,30] 2.12 Harber A. Pav. Co. [155,30] 2.14 Harber A. Pav. Co. [155,30] 2.15 Harber A. Pa	Troop ave	Sixth st	Eighth st	29-0		THE PARTY	oi -		ni -		30	1.000	101 00		Miss. Valley T. Co., H J. Halpin.
Independ ave. St. John ave. 25	Troot d.	Broadway	Pennsylvania av	-		Nov	-		- 01		90	1.125	10 2 12	Barber A. Pav. Co.	
Pitth at the Ninth Street and Street at Street at Street at Street at the street at th	Straining ave.		St. John ave			Sep	rgi)		8	2,576			08.50		J. K. Burnham, M. B. Wright, J. W. Swain, J. K. Burnham, M. B. Wright, C.G. Perrin, J. W. Swu
	Walrodotte st		Numb st	E		dae	9		5	14 20m					

¿Combination pavement of Trinidad Lake Asphalt and Diamond Vitrified Brick.

Statement of Streets Paved With Asphalt at Close of Fiscal Year Ending April 17th, 1899, at Noon.-Continued.

			Specificati'ns	cati'n	30		Mai	Maintenance		-		'p		
Street	From	To	Asphalt Inches Bita, Conc.	Hyd. Cem. Conc. Inch.		Accepted	Years	Expires	Lineal Feet	Miles	Square	Cost Per Svuare Yar	Contractor	Sureties
We Prospect pl Woodland av Indep, av Woodland av Eighth st. Wall st. Wyandotte st. Walnut st. Wandotte st. Wandotte st. Wabash av. Eighth st. Wabash av. Indep av. Washington st. Truclith st. Wabashington st. Truclith st. Washington st. Sixih st. Washington st. Nintry-fifth st. Washington st. Nintry-fifth st.	W Prospect pl. Belleview av. Woodland av. Indep. av Wall st. Eighth st. Wyandotte st. Fourth st. Wyandotte st. Fourth st. Walnut st. Nineteenth st. Walnut st. Nineteenth st. Walnut st. Thirteenth st. Sixteenth st. Sixteenth st. Sixteenth st. Sixteenth st. Sixteenth st. Wabash av. Eighth st. Wabash av. Eighth st. Washington st. Twelfth st. Washington st. Twelfth st. Washington st. Twelfth st. Wyomiogs t. Twelfth st. Washington st. Thirty-fifth st. Washington st. Thirty-fifth st. Washington st. Twenty-ninth st.	Sixteenth st. Ninth st. Ninth st. Ninth st. Fifthh st. Fifthh st. Twenticht st. Sixteenth st. Ninteenth st. Ninteenth st. Ninth st. Ninth st. Twitteenth st. Ninth st. Twitteenth st. Fourteenth st. Fourteenth st. Oora av. Sixteenth st. Sixte	222222222 222 222 2222 222 2222222222 222 2222 2222	22222222 2222 22 2 2 2 2 2	Dec. Dec. Dec. Dec. Dec. Dec. Dec. Dec.	88 1888 1888 1888 1888 1888 1888 1888 1888 1888 1888 1888 1888 1888 1888 1888 1889 1888	का क	Dec. 18, 1888 Oxt. 21, 1888 Oxt. 21, 1888 Oxt. 21, 1888 Oxt. 14, 1887 Oxt. 14, 1887 June 5, 1886 Aug. 18, 1888 Aug. 1888 Aug. 1888 Aug. 1888 Aug. 1888 Oxt. 2, 1990 Oxt. 2, 1990 Oxt. 26, 1991 Oxt. 26, 1991	284.00 217.00 217.00 218.00 226.00 1,441.00 1,490.00 1,490.00 1,490.00 1,290.00 1,296.00 1,296.00 1,296.00 1,296.00 1,296.00 1,296.00 1,296.00 1,296.00 1,296.00 1,296.00 1,296.00 1,296.00	2828284488884HH 8888	848. 200 201 200 201 200 201 200 201 200 201 201	A	883-20 2 89 Barber A. P. Co. 1515.00 2 89 Barber A. P. Co. 1616.00 2 89 Barber A. P. Co. 1518.00 2 12 Barber A. P. Co. 1618.00	W. F. Wyman, W. A. Bunker, J. W. Swain, J. K. Burnham, J. W. Swain, J. K. Gallaway, W. E. Hall, R. W. Hocker, W. E. Hall, R. W. Hocker, J. W. Strean, H. J. McGowan, R. M. Suyder, H. J. McGowan, R. G. Scarritt, C. F. Ballingall, W. C. Glass, J. McCornick, S. V. Bride, Alex. Gray, F. P. McCornick, S. V. Bride, Alex. Gray, F. P. McGowan, H. H. Anderson, J. M. Gaines, W. E. Hall, J. W. Gaines, W. E. Hall, J. K. Gallaway, R. W. Hoder, S. C. Douglass, J. R. Callaway, R. W. Hocker, S. C. Douglass, J. R. Callaway, R. W. Hocker, S. C. Douglass, J. R. Callaway, R. W. Hocker, S. C. Douglass, J. R. Callaway, R. W. Hocker, S. C. Douglass, J. R. Callaway, R. W. Hocker, S. C. Douglass, J. R. Callaway, R. W. Hocker, S. C. Douglass, J. R. Callaway, R. W. Hocker, S. C. Douglass, J. R. Callaway, R. W. Hother, J. W. Halpin.
			-						822,594.98		1,120,427.58		61.007 Miles.	

Statement of Streets Paved With Vitrified Brick at Close of Fiscal Year Ending April 17, 1899, at Noon.

	Sureties	G. K. Musselman, J. C. Brown, B. E. Porterfield. F. P. McCormick, David McCormick, Gas D. Welsh. David McCormick, Gas D. Welsh. David McCormick, E. F. Swinney. F. G. Trestrail, C. D. French. F. G. Trestrail, C. D. French. F. Farls. Parker-Washn. Co. F. and D. McCormick, C. and E. I. Mossh. Fred Feigel. M. Mense. M. Mense. M. Menser-Talbott, Fid and Dep. Co. of Maryland. Fred Feigel. Wm. Muchhaeh. Geo. Muchhaeh. Fred Feigel. Wm. Muchhaeh. Geo. P. Kirtley. D. McCormick. F. P. McCormick, The Am. B. and T. Co. of Balt. F. P. McCormick. The Am. B. and T. Co. of Balt. F. P. McCormick. Geo. P. Kirtley. D. McCormick. S. F. Schroeler. Janses Van Buren. F. F. National Surety Co. T. S. Dep. and Surety Co. Chas. E. Kollman, W. E. Zahner. Chas.
	Contractor	196 C. K. Musselman C. 197 C. K. Musselman C. 198 F. N. N. Cormick. David 198 Fred Feigel F. K. 199 Fred Feigel Ann 190 Fred Fei
pr	Square Va	
	Square Yards	1294-00 11394-00 11394-00 11394-00 11395-00 1139
	Milles	888 4888
	Lineal	200. 100 100 100 100 100 100 100 100 100
Maintenance	Expires	Aug. 17, 1908 Sept. 12, 1888 April 21, 1801 Sept. 22, 1801 Sept. 22, 1801 Sept. 24, 1801 Sept. 24, 1802 Sept. 37, 1902 April 18, 1903 April 28, 1903 Sept. 38, 1903 April 28, 1903 Sept. 38, 1903 April 28, 1903 April 38, 1903
	Accepted	Aug. 17, 1896 Sept. 12, 1896 April 21, 1896 April 22, 1891 Oct. 24, 1891 Oct. 24, 1897 Oct. 37, 1897 Sept. 7, 1897 Sept. 7, 1897 Sept. 7, 1897 Sept. 18, 1897 April 13, 1898 Oct. 3, 1898 April 13, 1898 Oct. 3, 1898 Oct. 3, 1898 April 13, 1898 Oct. 3, 1898 April 14, 1898 April 18, 1899 April 18, 18
L'ns	Concrete	
Specificat'ns	Spaces Between Brick	Sand San
	T ₀	Indiana ave. Grout lith st. Sand Sand st. Sand s
	From	Walrond ave Inth st.
	Street	Anderson ave. Baltimore ave. Broadway. Broadway. Broadway. Belleview ave. Baltimore ave. Baltimo

Statement of Streets Paved With Vitrified Brick at Close of Fiscal Year Ending April 17, 1899, at Noon-Continued.

			Specification	non		4	Maintenance	nance							
Street.	From	To	Space between brick	Concrete	Accepted	Years	Ex	Expires	Lineal	Miles	Square	Cost per sq yd	t t p	Contractor	Sureties
Delaware st	2nd st	4th st	Sand	v pio	315	6 898	May Ang	99, 1898	527.00	01.	19287	8 13 00	- G 20	G. Trestrail	C. D. French, C. D. Owens.
	Olive st.	Prospect av		Old o	Oct. 10, 1			10, 1901	616	1218	2164	88	E N	M. Mense	W. E. Zahner, Chas. F. Kollman, lames Lilhs, W. S. Halliwell.
	Main st	Broadway	1	91	100		112	-			4612.80	1 08	THE PE		F. & D. Co., of Md., Ambrose Talbott.
	Broadway	Main st		-	6 2	890 5	July	7.77	-	86.	3380.00	-	9]a	8. 22	W. A. Kelley, J. W. Drinkwater, Jas. Burns
Fourth st	Walnut st	Grand av	Grout	A blo	15, 1	5 1801		15, 1902		8,0	1058	100	M 00	-	J. G. Glennon, E. Beringer, C. E. Kollman
	Fennsylvania .	Broadway	4114	+	18			25, 1800	713,00			100	H.	3 3	D. McCormick, Gus P. Welch.
Fourteenth st.	18th st	Madison av	Sand	7 9	20	890 5	5 Oct.	22, 1900		80.0	1508.	90 1 4	SI W	Walter Williams	James Lillis, James G. Glennon.
-	Broadway	Summit st	Sand	7	0	5 0081	Feb.	I, 1901	1209.00	187	2671	4 1 00	5-1	E. Holmes	M. M. Holmes, Pat Keating.
ourth st	Delaware st	Wyandolte st.	Sand	Old J	1	802 5				189			5 P.		James I. Gray, D. McCormick.
First st	Holmes st	Troost av	Sand	200		2081	5 Feb.	11, 1897	2081.00	100 m	1650 10	89	I V	Trest 1& Brosnah 'n	W. H. Sherwin, D. B. & T. C. Co., W. W. Sherwin
Guinotte av	Troost av.	Forest av	Sand	6 1	20.			-		90.	1119	00 1 6	NA Tr	-	H. Sherwin,
Gillis st	1st st	5th st	Sand A C	20	200	5 1681	Nov.	27, 1		86	8764_00 6878_00	00 1 6	211	C. I. Powell	D. McCormick, C. Powell, J. I. Gray.
Garner av	Walrond av	Indiana av	Sand A.C	-	18			29, 1807	201		2005.00	00 1	E.	P. McCormick	McCormick,
Grand av	7th St	8th st	Sand	1 100	7.	1898 1898 18	5 Apr.	7	921.00	90. u	5078 00	1 00	5.0	F. P. McCormick.	G. G. Neiswanger, D. McCormick.
	3d st	oth st	Grout	-	1					90.	9207.70	70 1 2	7	Faris	American Suret
Grand av	5th st	Inedep, av	Sand	98		1808			650.30	01.	1072.		90 Pa	9 H. S. Trestrail	F. G. Tiestrail, C. D. French, J. H. Owens, F. P. McCormick, Am. B. & T. Co., Baltimore
farrison st	10th st	12th st	Mur. Grt	. ~	191	-					3405.50	-	8 R	0.	tional Surety Co.
Highland av	9th st	10th st.	Sand	9 5		2021	o June	29, 1897	415.00	90.	1415.00	1 00	1	C. L. Powell	D. McCormick, Cuthbert Powell.

Statement of Streets Paved With Vitrilied Brick at Close of Fiscal Year Ending April 17th, 1899, at Noon.-Continued.

	-	Specificat'n	p		Main	Maintenance				Dr		
Street From	ot To	Spaces Belween Brick	Concrete	Accepted	Дения	Expires	Lineal Feet	Miles	Square Yards	Cost Per Square Ya	Contractor	Surelies
fickory st. St. Louis av. folmes st. Indep. av. indensa av. Indep. av. inderson st. sth st.	av läth st. Anderson av. pth st.	Grout	Old Aug. 6 Dec. 6 Sept. 6 April 6 Aug. 1	. 27, 1895 4, 1807 11, 1888 31 1, 1888 5 29, 1802	5 Dec. 5 Dec. 5 Sept. 5 April	27, 1900 4, 1902 41, 18, 1908 41, 1, 1898 5, 29, 1897	2,191 1,005 1,912 1,912 1,414	88888	8,980.50 8,418.10 5,822.50 1,236.10 4,999.00	80889 11 12 12 128	\$1 150 H. S. Trestrail	F. F.
locust st. Hickory st. Locust st. Indep. av. Lydia av. 9th st. Lydia av. 18th st.		Grout	6 May of Feb.	28, 1806 15, 1806 10, 1807	5 May 5 Oct.	6, 1808 28, 1809 15, 1909 c 10, 1902 c 19, 1902	1,007	88888	4,404.	82228	Geo. J. Baer Walter Williams. Walter Williams. M. Mense.	J. B. Gho, James Lillis, James G. Glennon, James Lillis, James G. Glennon, Chas E. Kollman, W. E. Zahner, A. Talkot, The Fid, and Den, Co. of Maryland
Walror Wh st		Sand	1000	-35i	1210124	38 H	500 500 500 500 500 500 500 500 500 500	8888	1,707.			A. Talbot, The Fid. and Dep. Co. of Maryland F. G. Trestrail, National Surety Co. W. A. Kelley, J. W. Drinkwater, James Burns
		Grout	o Aug.	- 東京戦力	200000	**************************************	855. 1,111.	8888	120 H			M. A. Kelley, J. W. Drinkwater, James Burns, City T. S. Dep, and Sur. Co. of Phila. John B. Ghio, John Galigan. Chas. E. Kollman, W. E. Zahner.
Matherry at the st. Matherry at the st. Mathern we lish at Nucleoth at Trace av Sinth at Lydin at Night at Lydin at Night at Press av Night at Press av	1000 at 1200 av 1000 a	Sand Grout Sand Mur. Grt.	May.	15, 1806 15, 1806 12, 1807 11, 1806 11, 1807 11, 1807 11, 1807	5 Aug. 5 April 5 April 5 April 5 April		28 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8888888 8888888	2,010 1,1182 973 10,0683 6,308, 642	8888888 888 888 888 888 888 888 888 88	abol B. Trestrati. B. J. E. Faris. Parker-Wash'n C. Fred Feigel T. James Hamilton. M. Mense.	F. G. Trestrini, Nat. Surrey, Co. Gas. D. Welch, G. K. White, J. J. Gray, G. F. P. McCormick, Am. B. and T. Co., Ral. Ambrose Tailtot, Fid. and Dep. Co. of Md. F. P. McCormick, National Surrey Co. Co. Mal. S. T. Wellman, W. E. Zahmer, F. P. McCormick, National Surrey Co. F. P. McCormick, National Surrey Co.
th st		-		祖士政政	15/0/0/0	当一直気	8228	15.7	1,085. 8,465. 1,087.	мини		TONNE

Statement of Streets Paved With Vitrified Brick at Close of Fiscal Year Ending April 17, 1899, at Noon.-Continued.

			Specificat'ns	ns			20	Maintenance	епап	ac ac				bı		
Street	From	To	Spaces Between Brick	Concrete	Acc	Accepted	Years		Expires		Lineal Feet	Miles	Square	Cost per Square Ya	Contractor	Sureties
Prospect ave Park ave Park ave Park ave Pennsyl. ave. Pacific st	Lexington ave. Lexington ave. Indep. ave St. John ave 7th st.	Lexington ave. Indep. ave. Sand Lexington ave. Indep. ave. Asp.Cem. Indep. ave. Iterington ave. Sand 7th st. St. John ave. Holmes st. Grout	Sand Asp.Cem. Sand Grout	244400	Nov. Oct. Oct.	24.48.4.4	1882 1892 1893 1894 1894 1894	5 Dec.	41-4555	1897 1898 1898 1898 1898	1595.00 1595.00 1334.00 915.00 312.00	888118	5430.20 5430.20 4540.60 3108.00 7235.90	\$2 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	Geo. A. Johnson Geo. J. Baer R. J. Boyd Walter Williams. M. Mense	V. V. McKim, H. H. Stukenberg, Cyrus Near, John Galligan, John B. Ghio. Tohn Galligan Tohn B. Ghio. Thos. Stinson, L. A. Willard, S. J. Hayde. Thans Lillis, James G. Glennon. W. R. Zahner, Chas. E. Kollman, M. S. Craig,
Roberts st	Indiana ave	Bales ave	10.	9	Oct.	28, 1	1897 5	5 Oct.	28, 1	1905	463.80		1278.50	1.50		Parker-Washn. Co F. P. McCormick, D. McCormick, C. Marshall,
Sixth st St. Louis ave Seventeenth st. Santa Fe st Sixteenth st	Walrond ave Broadway Santa Fe st Oak st St. Louis ave Holmes st Delaware st		Asp.Cem. Sand Asp.Cem. Sand Asp.Cem. Sand	2224242	Aug. Apr. Dec. Sep. May May Sep.	चं <u>चं वं संसंसं</u>	1898 1898 1898 1898 1898 1898 1898	5 Aug. 5 Apr. 5 Dec. 5 Sep. 6 May 5 Sep.	चं <u>चं वं शंशंशंशं</u>	1000 1000 1000 1000 1000 1000 1000 100	599.20 1178.00 3471.00 250.00 2168.00 209.00	888848	1610.26 4042.00 4089.00 11650.00 7622.00 458.00		219 Walker Hickman, 27 Trestrail & Bros. 27 R. J. Boyd. 27 F. P. McCormick, 27 J. E. Faris. 27 R. J. Boyd. 27 R	J. L. Hickman, Mary Hickman, A. L. West, C.D. French, J.H. Owens, R. B. Farley, W. M. Bood, R. M. Fansminger, C. A. Chamberlain, National Surety Co. J. J. Gray, Gus. D. Welch, C. A. Chamberlain, R. B. Farley, A. A. Wayland, James B. Smith, W. M. Wright,
st. Louis ave Santa Fe st st. Louis ave State line	Santa Fe st	Co.'s add	: :	9 9	Nov.	18.	1808 5	5 Nov.	8 8	1808 1	1172.00	81 8	5264.50 1 87 6506.70 1 70	1 87	Geo. J. Baer Jas. O'Donnell	Geo. J. Baer John Galligan, John B. Ghio. Jas. O'Donnell James Burns, James Reilly.
Seventh st Sixteenth st Sixth st Seventh st Seventh st	Pennsyl, ave Garfield ave Broadway Walnut st. Broadway	Pentsyl, ave Brooklyn ave. Asp.Cem Main st. Grout Grout Bennsyl, ave.			Aug. July Apr. Dec. Apr. Dec.	※現成は乾息	1894 1894 1895 1896 1896 1896	5 Aug. 5 July. 5 Apr. 5 Dec. 5 Apr. 5 Dec.	* H H H H H H H H H H H H H H H H H H H	1899 1902 1901 1900 1901	423.90 348.90 479.90 713.90	इंडब (म्य	01,121 1468.40 1768.40 1648.40 1628.60	1111111	F. P. McCormick. Chas. Thomas Boyd P. & C. Co James Hamilton F. P. McCormick.	
st st	Woodland ave. Grand ave. Wyoming st. Central st. Troost ave.	Olive st. Baltimore ave. Liberty st. Main st. Tracy ave		200000	Oct. Oct. Feb.	2 4 8 4 E	1897 1897 1897 1897 1898	5 Oct.	25862	1902	2819.90 745.80 976.18	* * *	2546.30 2546.30 4800.00 4800.00			M. Mense

Statement of Streets Paved With Vitrified Brick at Close of Fiscal Year Ending April 17th, 1899, at Noon-Continued.

			Specification	luc.			Main	Maintenance	4							
Street	From	To	Space between briek Concrete	inches	Accepted		Years	Expires	22	Lineal	Miles	Square	Cost per sq yd	. 9	Contractor	Sureties
Twenty-first standard	Walnut st. Mulberry st. Vidud. Vidud. Vidud. Vidud. Vidud. Vidud. Vidud. Vidud. Wyandotte st. Wyandotte st. Wyandotte st. Walnut st. Grand av. Grand av. Grand av. Grand av. Hrondway. Mahin st. Mahin st. Mahin st. Mahin st. Wachington st. Fray, av. Southweet brd Mulberry st. Mahin st. Walrond av. Troog av. Troog av.	Grand av. Hickory st. Lincoln st. Fennsylvania. Fennsylvania. Fennsylvania. Fennsylvania. Fennsylvania. Fennsylvania. Fennsylvania. Grand av. Locust av. Locust av. Locust av. Locust av. Locust av. Main st. Froot av. Hickory st. Filedory st. Summit st. Liberty st. Fennsylvania. Woodland av. Bennsylvania. Woodland av. Independ. av. Independ. av. Lydia av. Lydia av.	Sand O	electelesexlessivatereses	Adugated States of States	1892 1892 1893 1893 1893 1893 1893 1893 1893 1894 1894 1894 1894 1894 1894 1894 1894	Appropriate to the control of the co	** ** ** ** ** ** ** ** ** ** ** ** **	28 28 28 28 28 28 28 28 28 28 28 28 28 2	211 00 00 00 00 00 00 00 00 00 00 00 00 0	2628418848484848888	886.00 882.70 882.70 882.70 882.70 882.70 11785.80 11785.80 11785.80 880.11 70 880.11		ACCAR ENOR TREES THE NAME OF THE	R. J. Boyd. G. W. Buzzell Geo. J. Baer R. J. Boyd. F. P. McCormick F. G. Trestrall C. M. Cravents F. F. McCormick F. G. Trestrall C. M. Cravents F. F. Paris F. F. Powell F. F. Paris F. Faris F. Fari	C. A. Chamberlain, R. B. Farley, W. Weston John B. Ghio, John Galilgan, Nat. Surety Co., F. P. McCormick, Nat. Surety Co., F. P. McCormick, Nat. Surety Co., F. P. McCormick, James Swinney, James Lillis, C. D. French, J. H. Owens, James Arnstrong, J. J. Armstrong, J. McCormick, Gus. D. Welch, M. M. Holmes, National Surety Co. National Surety Co. National Surety Co. N. Kelley, A. G. Sabberland, Jus. Burns, W. A. Kelley, A. G. Sabberland, Jus. Without Surety, Co. D. Welch, E. C. Frindley, Jacob Welch, P. R. D. Co., of Maryland, Chas. E. Kollman, W. E. Zahner, James VanBurer, Jr., Mctoral Surety Co. D. P. Hunter, The U. S. Fid. and Guar. Co. P. C. Terstrall, Fred Felgel, Nat. Surety Co.

Statement of Streets Paved With Vitrified Brick at Close of Fiscal Year Ending April 17, 1899, at Noon.

			Specification	no			Ma	inter	Maintenance				-	pa		
Street	From	To	Spaces Between Brick Concrete	Concrete	Accepted	pted	Vears	Ex	Expires	Lineal Feet	Miles	Square		Cost per	Contractor	Sureties
Vine st. Virginia ave. Vinginia sve. Walnut st. Wodland ave. Whittier place. Wyandotte st. Washington st. Walnut st.	9th 12th 12th 12th 12th 12th st Oak st 14th st 14th st	loth st. Lith st. Listh st. Listh st. This c. Belt Ryg This st. Listh st. Listh st. Listh st. Listh st. Listh st. Locust st. Listh st. Southwest b	Sand Grout Grout Asp.Cem. Sand Sand Sand Sand Sand Sand Sand Sand	NA WWW NA PA	May 8 Aug. 2 Aug. 2 Nov. 3 May 12 Apr. 2 Nov. 1 Apr. 1	28, 1897 1, 1898 1, 1898 1, 1898 1, 1898 1, 1898 1, 1898 1, 1898 1, 1898 1, 1898			22, 1902 21, 1902 1903 1903 1903 10, 1808 110, 1808 112, 1808	416.06 806.00 11.822.00 582.00 582.00 582.00 1.424.00 1.424.00 948.00 193.00	888888888888888888888888888888888888	1,413.20 2,957.40 2,957.40 2,816.00 1,132.00 4,868.00 9,816.20 12,285.00 420.00		REFSERÉCES FREERECORN	F. P. McCormick. D. R. J. Bovd. P. R. C. O. R. F. F. McCormick. F. F. G. Trestrail. C. J. Bas. O'Downell. Jas. Trestrail Pas. O'Downell. Jas. Trestrail Pay. Co. Natl. F. C. J. Rear. F. W. Cormick. Natl. R. C. B. R. C. Co. Jas. R. C. B. R. C. Co. Jas.	F. P. McCormick, D. McCormick, Gus D. Welch. Fred Feigel. A. Tabloft, The Fit, and Dep. Co. of McC. F. F. McCormick, F. G. Trestrail, T. Brosnahan, C. A. Chambern, F. G. Trestrail, Jas. Burns, W. S. Halliwell, Trestail par, Co. Mat. Surety Co. of McC. J. White, Wm. Wassall, C. D. French, Trestail par, Co. Mat. Surety Co. of Mat. Suret
Walnut st. 2nd st. N. Wabash ave. 15th st. Wabash ave. 15th st. Wyandotte st. 16th st. Wyandotte st. 17th st. Wyandotte st. 17th st. Wall st. Wall st. Wandotte w. Wall st. Wandotte W. Pros. place 28rd st.	Walant st. 2nd st. Walant st. 2nd st. Walant st. 2nd st. Walant st. 16th st. Wyandotte st. 16th st. Wyandotte st. 17th st. Wyandotte st. 17th st. Walant st. Wyandotte st.	sth st. Jiberty st. Th st. Southwest by Oth st. W, end of Wall st.	Grout. Sand Grout Grout Grout Grout Grout Grout	SA SASSAS	June 1 Nay 12 Nay 12 Dec. 21 Dec. 22 Nov. 1	17, 1896 21, 1896 14, 1897 12, 1897 20, 1897 16, 1898 11, 1898	5 June 5 June 5 June 6 June 6 June	0.001.000	17, 1901 14, 1902 12, 1902 20, 1902 20, 1902 11, 1903	11,247,00 2,256,83 617,50 1,125,00 1,12	88 38888 88	1,182.20 1,834.00 1,201.00 1,201.00 1,175.00 1,175.00 1,077.50	888888 88	SUBSECTION OF THE PARTY OF THE	Matter Williams. Watter Williams. Watter Williams. M. Nense. Parke-Wash. Co. Fred Feigel. Fred Frigel.	Jas. Hamilton D. McCormick, F. P. McCormick, E. F. Swinney Watter Williams M. Mense Chas. Kollman. A. Talbott, The Fid. and Dep. Co. of Md. M. Mense Clas. E. Koll'n, W. E. Zahner, G. F. Kirtl'y, H. J. O'B Parke ~ Wash. Co. F. P. McCormick, J. M. Sellers, D. McCormick, Fred Feigel A. Talbott, The Fid. and Dep. Co. of Md. Trestrail Pav. Co. Jas. Van Buren, Ir. Nat. Surety Co. Parker-Wash. Co. F. P. McCormick, The Am. B. and T. Co. Balt.
Reg	Repaved Brick Paving to Date -		2,184.60	2 S S	10 6	502,246.60 27.76 miles	. 60 E									

Statement of Streets Paved With Stone Blocks at Close of Fiscal Year Ending April 17, 1899.

			Found	nda-		-	Maintenance	12		pn			
Street	From	To	Sonerete	paus	Accepted	Years	Expires	Lineal Fe	spray stamps	Cost Per	Remarks	Contractor	Sureties
Bluff Eighth Fifth	Fifth. Delaware Souta Fe. Souta Fe. Souta Fe. Third Main Main Main Main Main Main Kangan Main Main Main Main Main Main Main Ma	Bluff st. bridge Grand av	200 x 200000 00 0	A seas Hand and	Jan. 3, 19 Jan. 4, 19 Jan. 4, 19 Jan. 4, 19 Jan. 4, 19 Jan. 5, 19 Jan. 5, 19 Jan. 5, 19 Jan. 5, 19 Jan. 6, 19 Jan. 8, 19	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1, 1866 8, 1886 8, 1881 1, 1888 1, 1888 1, 1888 1, 1889 1, 1886 1, 1894 1, 1894 1, 1894 1, 1894 1, 1894 1, 1894 1, 1894 1, 1894 1, 1894 1, 1895 1, 1894 1, 1895 1, 1894 1, 1894 1, 1895 1, 1894 1, 1895 1,	1111 11111 11111 11111 11111 11111 11111	4577.00 1200.4	数の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の	Repayed and repaired George Todd Repley & Aritent Repayed B. F. Camp E. Saxton Comstock & Italsey C. L. Powell T. D. Hackett Geo. J. Bact H. S. Trestrall C. L. Powell C. L. Powell C. L. Powell James O'Donnell. Parker-Washing'n Co		George Todd Kepley & Arnent W. J. McComgal. B. F. Camp E. Saxton C. L. Powell H. S. Trestrail, C. D. French, J. G. Owens Geo. J. Bact H. S. Trestrail G. D. French, F. G. Trestrail, S. French Mulvane & Kepley J. M. H. Winants, Witten McDonald James McGonigal F. G. Trestrail C. D. French, F. G. Trestrail, S. French Mulvane & Kepley J. A. Frame, J. O'Connor, J. McGonigal C. L. Powell James O'Donnell. J. G. Glennon, J. S. Lillis. Parker-Washing'n Co. F. P. McCormick, Am. B. and T. Co.
Total	al paved to date, 2.12 miles	ill miles.						12990)	19840.87				

Statement of Streets Paved With Cedar Blocks at Close of Fiscal Year Ending April 17, 1899, at Noon.

	Sureties	13 Jaicks & Robinson 19 Andrews Jaicks 147 Geo. J. Baer 148 Lillis & Clemon 189 Geo. J. Baer 180 Geo. J. Baer 180 Geo. J. Baer 180 Geo. J. Baer 181 Geo. J. Baer 182 Geo. J. Baer 184 Andrew Jaicks 185 Andrew Jaicks 185 Andrew Jaicks 186 Andrew Jaicks 188 Andrew Jaicks 188 Andrew Jaicks 188 Andrew Jaicks 189 G. & Bo. S. McBean 189 A. Taylor 190 Jas. McGonigle 191 Jaicks & Robinson 192 Jaicks & Robinson 193 A. J. McBean & Co 194 Jaicks & Robinson 195 A. J. McBean & Co 196 Jaicks & Robinson 197 A. J. McBean & Co 197 A. J. McBean & Co 198 J. B. Smith & Co 199 Kenyon & Enright 199 Kenyon & Enright
	Contractor	113 Jaicks & Robinson 1147 Geo. J. Barcks. 1179 Jaicks & Robinson 1142 Jaicks & Robinson 1142 Jaicks & Robinson 1144 Jaicks & Robinson 1145 Jaicks & Robinson 1146 H. Lillis & Clemon. 1176 Geo. J. Barc. 1187 Geo. J. Barc. 1189 B. Smith & Co. 1199 Jas. McGonigle. 1199 Jas. McGonigle. 1199 J. Smith & Co.
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	Lineal Feet	1,825,00 1,627,00 1,834,00 1,834,00 1,834,00 1,103,00 1,1
Maintenance	Expires	Aug. 5, 1900
Ma	Years	
	Accepted	Oct. 6, 1896 May 5, 1867 Oct. 25, 1888 May 5, 1890 Nov. 24, 1884 Nov. 14, 1888 Nov. 14, 1888 June 2, 1888 June 2, 1888 Oct. 30, 1889 Oct. 18, 1890 Oct. 18, 1890 Oct. 18, 1890 Oct. 18, 1890 Nov. 18, 1890 Nov. 18, 1890 Oct. 18, 1890 Nov. 18, 1890 Oct. 18, 1890 Nov. 18, 1890 Oct. 18, 1890
ion it'ns	Concrete	25 235 5 550 3X
Foundation Specificatins	Board	пен нен нен нен пен
Spe	Sand	
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	From	Washington st Southwest bud Thompson ave Thompson ave Thompson ave Thompson ave Thuth st. Jith st.
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reets Paved With Cedar Blocks at Close

	Survives	F. O'Donnell Jas. G. Glennou, Jas. Lillis. J. B. Smith & Co. J. Smith & Co. J. Smith & Co. J. B. Smith & Co. J. Smith & Co. J. Smith & Co. J. B. Smith & Co.	
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pre)	Cost be	2582475077575757777777777777777777777777777	1
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Ma	Steak		١
	Years	May 5, 1894 Dec. 21, 1889 Doc. 11, 1889 Nov. 14, 1889 July 15, 1889 Oct. 10, 1889	
Foundation Specificat'ne	Concrete	0 60 6 1 1 600 1 1 6 6 1 6	
reife	Board		
200	Sand		
	To	t. State Libe. (a. Indiana ave. Indiana ave	
	From	Mulberry at. Walrond ave. Sth at. 18th at. Grand ave. Grand ave. Sammit at. Ook at. Mode at. Mode at. Front ave. Front av	
	Street	Net at the state of the state o	-

279,902 lineal feet, 63,02 miles. 1,072,500,05 square yards. 235,245,6 ... 8.45 miles. 133,267,21 ...

Statement of Streets Paved With Macadam, Etc., at Close of Fiscal Year Ending April 17, 1899.

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	Street	Baltimore Brook Cherry

Statement of Streets Paved With Macadam, Etc., at Close of Fiscal Year Ending April 17th, 1899-Continued.

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Statement of Streets Paved With Macadam, Etc., at Close of Fiscal Year Ending April 17, 1899. - Continued.

pu	Contractor	72 F. P. McCormick. 73 Wheeler & Elmore 73 F. P. McCormick. 73 F. P. McCormick. 74 F. P. McCormick. 75 A. J. Armstrong. 68 66 66 66 66 66 66 66 66 66 66 66 66 6
	Cost Per	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Square sbraY	6,820.00 6,481.10 8,606.00 8,877.30 8,877.30 8,877.30 8,877.30 8,877.30 8,877.30 8,877.30 1,084.00 1,286.00 1,286.00 1,286.00 1,286.00 1,387.00 1,386.00 1,3
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	Bank Gravel Inches	Cross's Gutter Cross's Cross's Gutter Cross's Gutter Cross's Gutter Gutter Gutter Gutter Gutter Gutter Gutter Gutter
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Statement of Streets Paved With Macadam, Etc., at Close of Fiscal Year Ending April 17, 1899.-Continued.

	Contractor	A. J. Armstrong. A. J. Armstrong. A. I.	
	Square Ya	8 8 8 8 8 8	
	spreY	4,090,00 2,398,00 2,398,00 2,398,00 11,280,00 13,408,00 13,408,00 14,530,00 11,734,00	
	Lineal Feet	1,284.00 820.00 820.00 8,732.00 8,822.00 8,822.00 1,284.00 1,284.00 1,284.00 1,284.00 1,284.00 1,380.00 2,640.00 1,880.00 2,640.00 2,640.00 2,640.00 2,640.00 2,640.00 2,640.00 2,640.00 2,640.00 2,640.00 2,640.00 2,640.00	
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ation	Crushed Limestone Inches		
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	River Gravel Inches		
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	o.	Coak st Treost av Wyandotte st. State st. Prens st. State st. Oak st. South st. South st. St. City Limits	
	From	Main st. Harrison st. Main st. Broadway Washington st. Main st. Main st. Main st. Main st. Main st. Main st. Central st. S. City Limits Westport. Illist st. Trood sw.	Total Amounts.
	Street	illird st. illird st. illird st. juth st. juth st. juth st. juth st. illird st. str. str. str. str. str. str. str. s	1000 win

51.92 Miles.

Lineal feet repayed 8.151.58

TENTH ANNUAL REPORT

OF THE

SUPERINTENDENT OF STREETS.

For the Fiscal Year Ending April 17th, 1899.

To the Honorable Board of Public Works, Kansas City, Mo.

Gentlemen:—I herewith submit to you a report of the operations of the Street Department for the year ending April 17th, 1899, showing by tabulated statements how and for what purposes the funds apportioned to the Department have been used.

You will observe that the Department expended funds this year slightly in excess of the amount apportioned to it in the last year; this was necessitated not only by the extension of the City limits over a vast area gridironed by many miles of half made streets or roads containing many bridges and culverts all badly run down and neglected, which have required much labor and material to place in a safe condition for the public use, as well as about 38 miles of macadamized and paved streets which the Department has kept clean and in fairly good repair; but also by the constantly increasing duties of the Department caused by the rapid growth of the City and the enormous increase in magnitude of our sewer system and mileage of paved streets, (20 miles paved in the last year) making a total of 161 miles of paved streets to be cared for.

The repair of main sewers has been unusually heavy during the past season, owing to the very bad and dangerous breaks and washouts being found therein.

The cost of removing snow from the streets was a heavy expense to the Department, owing to the unprecedented severity of the past winter, between November 10th and April 10th, 37 snows fell, 22 of which had to be removed from the business districts of the City.

I believe that the street cleaning forces are better organized and better equipped and are doing better work now than ever bein the history of the Department, but we are not doing well enough; the people of an up-to-date metropolitan City have a right to demand the highest efficiency in street cleaning; we can keep the finished portion of the town clean, and I beg your cooperation and help to produce this result.

The wisdom of establishing a Street Department headquarters away from the City Hall has been fully demonstrated during the past year. The premises we now occupy can not longer be retained by the City. The Department has now assumed such importance, that it must be provided with suitable grounds and buildings to house and store stock and material, and I recommend that now, while property may be obtained cheaply, that a conveniently located site be purchased immediately for the permanent use of the Street Department.

Respectfully yours,
WM. M. SLOAN,
Supt. of Streets.

SUMMARY.

PAY ROLL AND ACCOUNTS.

		TOTA	LS.	TOTA	LS.
1898.	April 18, to 30, Pay Roll	\$1,966	06)	
į.	April 18, to 30, Bills Paid	709	16	\$2,675	22
"	May, Pay Roll	7,585	78		
"	May, Bills Paid	1,090			I 2
"	June, Pay Roll	7,736	58		
" "	June, Bills Paid.	958	09	8,694	67
"	July, Pay Roll	6,723	99		·
"	July, Bills Paid	1,863	86	8,587	85
"	August, Pay Roll	6,282	49		•
"	August, Bills Paid	837	10	7,119	59
"	September, Pay Roll.	5,332	44		
"	September, Bills Paid	889	58	6,222	02
4 6	October, Pay Roll.	6,283			
"	October, Bills Paid	719			73
"	November, Pay Roll	4,205	68		
"	November, Bills Paid	730		_	17
"	December, Pay Roll	3,851	• -		•
"	December, Bills Paid	358			40
1899.	January, Pay Roll	4,061	92		
"	January, Bills Paid	787			40
" "	February, Pay Roll	4,317	49		•
"	February, Bills Paid	1,076	76	5,394	25
"	March, Pay Roll	6,150	•		Ū
"	March, Bills Paid	4,900	18	11,050	49
"	April 1, to 17, Pay Roll	3,220	09		• • •
"	April 1, to 17, Bills Paid	1,744	89	4,964	98
T	otal			\$84,382	89

Totals	# (wit) 19 (wit	\$18,085.80
Teams	######################################	820,833 38
Laborers	F 1884 SP 1, 1889 SP 1, 1889 SP 1, 1889 SP 1, 1889 SP 1, 1881 SP 1	\$84,710 22
City		\$5.00 to
Masons	######################################	\$1,985.40
Carpen- ters	が市場会替を記されるとなるというがあるがある。 第2882は日本のはなるというというできます。 第2882は日本のはなるというというできます。	\$108.48
Foremen	2000年日 1000年日	\$8,250.85
Inspectors	88888888888888888888888888888888888888	\$1,840 00
Clerks	**************************************	\$2,197 00
Superin- tendent	23555555555555555555555555555555555555	\$1,994 27
Months	April 18th to 30th May, (first %) Inte. (first %) Inte. (first %) Inte. (first %) Inty. (first %) September, (first %) November, (first %) December, (first %) November, (first %) Perbruary, (first %) January, (first %) Rarch, (first %) March, (first %) March, (first %) April, (first %)	Totals
	1868 1868 1868 1868 1868 1868 1868 1868	

Miscellaneous Expense.

April 18th to 30th May May May May May May May Ma	Months	Salaries of Supt. and Clerks	Salaries of Inspectors	Mules Pur-Imple chased and New Mainten'ce and of Same	Mules Pur-Implem'ts, chased and New Tools Mainten'ce and Carts of Same	Repairing Tools	City Yard at Jith and Troost Re- pairs and Mainten'ce	Totals
	April 18th to 30th May May Tittle July August September Occlorer December December Pebruary March April 1st to 17th	618 618 618 618 618 618 618 618 618 618	######################################	等表现是在2000年的 2000年的 200	20. 20. 20. 20. 20. 20. 20. 20. 20. 20.	# 58889888888888888888888888888888888888	8 1888 8 19 19 2	A CTRS 1 1 2 2 2 2 1 1 1 1 2 2 2 2 1 1 1 1 1 2 2 2 2 1

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Work Distributed on Streets-Continued.

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	Months	No. Loads Rem'd	Cost	Mater- ial	Labor	Mater- Labor Mater- Labor	Labor	Mater- ial	Labor	Mater- ial	Mater- Labor	Totals
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Miscellaneous Work.

		City Vards			Miscellaneous	ancons	
Months	Weeds	S.W. Blvd.	Streets	Sewers	Material	Labor.	Totals
April 18th to 30th	118. 0. 618	***************************************		\$ 78 84	Anthre Salan	8 24 29	
May			62 52	163 18	817 28	88 48	3355
June	\$571 12			158 26	288	7.78	
My	08 S03			169 72	8 66	20 12	
August	22 76			180 40	9 23	73 41	
September	*********			163 18	1 25	7.25	
October	***************************************			167 28	***************************************	100 41	
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Total Permits Issued for Excavations from April 18th 1898 to April 17th, 1899.

	W	Water	Sewer	rer	Gas	18	Poles	
	By Plu	By Plumbers	By Pfumbers	mbers	K.C. Mo.Gas Co	Gas Co		
Months	Rebuius	SCIAICES	Repairs	Services	sulak	Services	Setting and Resetting Poles	Total
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Summary-April 18th, 1898, to April 17th, 1899.

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ANNUAL REPORT

OF

A. WALLACE LOVE,

SUPERINTENDENT OF BUILDINGS,

KANSAS CITY, MO.

For the Fiscal Year Beginning at Noon, April 18th, 1898, and Ending at Noon, April 17th, 1899.

KANSAS CITY, Mo., April 17th, 1899.

To the Honorable The Board of Public Works, Kansas City, Mo.

GENTLEMEN: I have the honor to present herewith a report of the operations of this Department for the fiscal year beginning at noon on April 18th, 1898, and ending at noon on April 17th, 1899. The report presents a very gratifying exhibit of the City's progress, and there is perhaps no criterion by which the actual growth and development of the City is better indicated than by its building record. The splendid citizenship, composing this great municipality, who have watched with ever increasing pride its marvelous growth from a struggling border warfare village in 1859, to its present proud position as the center of trade and commerce of the boundless West and Southwest, are indeed to be congratulated that their fondest hopes and longings of three or four decades ago are approaching a glorious fruition, and that together with its appellation of King of Commerce, may be now aptly applied that other splendid designation "a good place to live in." Kansas City is in fact rapidly becoming a city of home owners. With our City's ever enduring prosperity is closely interwoven the bettering conditions of our wage earners, upon whose healthful financial condition, after all, must be based every city's greatness. The wage earners of this city are buying lots and building homes. It is evidenced by the thousands of permits issued the past year for modest, but comfortable homes. I am informed by all of the enterprising men of this City, who during the past two years have built so many good houses, that they are generally sold long before completion, and at prices that bring a fair return on the investment. That such is the case bespeaks good business judgement on the part of both buyer and seller. From the fact that a scarcity is evident of desirable rental property, at the same time that so many of our people are building homes, it may be truthfully assumed that the City's population is rapidly nearing the quarter million mark and that by the time the census of 1910 is taken the half million mark may be in sight. Few of us there be who realize this City's wonderful possibilities in population and commerce. With it, of course, must come domiciles for business and residence. I am not a prophet nor the son of a prophet, but I believe in expansion and I believe that by 1925 Kansas City will boast of one million inhabitants and will be the best built city in the world, as well as the best city to live in and do business in.

It will be seen by my tabulated report that 3,146 building permits were issued the past year, covering 26,833 front feet, at an aggregate estimated cost of \$3,209,010.00 and that \$2,556.25 were collected in fees for the same.

Compared with former years it will be seen that the growth has been steadily upward. 1893 shows 1,363 permits at an estimated cost of \$998,740; 1894, 1,737, \$1,418,690; 1895, 1,773, \$1,601,080; 1896, 1,845, \$1,387,370; 1897, 2,331, \$2,001,310; while for the fiscal year 1898 there is shown an increase over the last named amount of \$1,207,700 which increase would, in former years, have been considered a good years business in itself. My exhibits also show in the classification of the different buildings that almost, if not quite, four-fifths of said buildings have been erected for residence purposes. It is a splendid showing for the city any way it is looked at. The class of buildings being erected is also growing better year by year.

218 Official Notices were served, 46 of which were orders to tear down unsafe buildings, 53 to repair unsafe buildings, and the remainder for various other purposes. Receipts from the City Treasurer show the full amount of fees collected have been deposited in the City Treasury.

Pay roll of the Department for the year was \$8,157.42. Under the ordinance making the head of the Dept. Ex-officio State Factory Inspector, two semi-annual inspections have been made during the past fiscal year and reports submitted, as required by State statutes, to the State Labor Commis-

In my last report mention was made of the great need of additional room at the City Hospital and I urged the appropriation of a sufficient sum for that purpose. As yet no action has been taken looking to the carrying out of my suggestions, although plans and estimates for this purpose were prepared more than one year ago and are now on file in this office. I would therefore again urge upon the Common Council and your Honorable Body, the immediate necessity and desirability of this much needed improvement. Under present conditions many worthy patients have to be turned away on account of lack of room and beds to care for them. \$25,000 should be the minimum amount appropriated for this purpose and it should become immediately available, so the work could be rushed to completion the coming summer.

Plans are also on file in this office for making several interior changes in the City Hall which are very badly needed, and in order to accommodate the growing business of several of the Departments, a general re-arrangement should be made. The Board of Park Commissioners, whose work is constantly growing, require and must have enlarged quarters. The Police Department is very much cramped. The Police Court room should be placed in the drill room in the basement, and the Police Matron and Humane Officer should be moved onto the same floor with the Police Department. Funds will be required to make these needed changes and I would also urge the appropriation of a sufficient sum to properly re-decorate the Upper and Lower House Council chambers. They have long needed, it as a glance at them will show. If the City can spare the requisite funds, an appropriation should also be made to paint the entire exterior as well as re-decorate the entire interior of the City Hall, as both badly need it, and it should be done at the earliest practical moment. Our City Hall is too splendid and imposing a building to be too long neglected and allowed to become rusty looking either on the inside or outside.

By reference to the appended tables a comprehensive report of the Department for the year just closed will be seen,

Building Permits Issued by Months as Follows:

No. of Permits.	Kind of Buildings.	Front Feet.	Estimated Cost.	Fees.
4	Brick business	- 144	\$ 8900 00	\$ 4 45
11	Brick residence	- 850	26500 00	18 25
19	Frame residence	- 479	26200 00	14 90
1	Frame barn	- 14	200 00	50
1 92	Frame warehouse Miscellaneous permits -	- 60	1200 00 25630 00	60 49 50
128	Total for month -	- 1047	\$98730 00	\$88 20
	MONTH OF	MAY, 1898.		
No. of Permits.	Kind of Buildings.	Front Feet.	Estimated Cost.	Fees.
8	Brick business	- 77	\$ 5700 00	\$ 2 85
19	Brick residence	- 512	57100 00	29 W
ĩ	Brick barn	- 24	500 00	54
. 1	Brick warehonse	- 48	2500 00	1 25
1	Brick freight depot	- 85	11500 00	5 75
48	Frame residence	- 1080	83200 00	44 35
1	Frame office	- 14	500 00	50
1 191	Frame warehouse Miscellaneous permits -	- 85	1600 00 104540 00	80 131 95
266	Total for month -	- 1834	\$267140 (0)	\$217 85
4 14 1 1 1 2 45 6 1 1 1 2 235 811	Brick business Brick residence Brick schurch Brick school Frame business Frame barns Frame barns Frame warehouse - Frame Greenhouse - Miscellaneous permits - Total for month -	Front Feet. - 188 - 398 - 61 - 56 - 46 - 1076 - 138 - 24 - 28 - 56 - 56 - 2016	\$ 18900 00 48000 00 12000 00 9000 00 600 00 78500 00 2100 00 300 00 1500 00 38630 00	Fees. \$ 7 00 24 00 6 00 4 50 1 00 42 20 8 00 50 75 121 40 \$210 85
1 2 45 6 1 1 235	Brick business Brick residence Brick church Brick school Frame business Frame residence Frame barns Frame warehouse Frame Greenhouse Miscellaneous permits	- 138 - 398 - 61 - 56 - 46 - 1076 - 138 - 24 - 28 - 56	\$ 13800 00 48000 00 12000 00 9000 00 600 00 78500 00 2100 00 300 00 300 00 1500 00 38630 00	\$ 7 00 24 00 6 00 4 50 1 00 42 20 8 00 50 50 121 40
4 14 1 2 45 6 1 1 1 2285	Brick business - Brick residence - Brick church - Brick school - Frame business - Frame residence - Frame barns - Frame warehouse - Frame church - Frame Greenhouse - Miscellaneous permits - Total for month -	- 138 - 398 - 61 - 56 - 46 - 1076 - 138 - 24 - 28 - 56	\$ 13800 00 48000 00 12000 00 9000 00 600 00 78500 00 2100 00 300 00 300 00 1500 00 38630 00	\$ 7 00 24 00 6 00 4 50 1 00 42 20 8 00 50 50 121 40
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4 14 1 1 2 45 6 1 1 1 2255 311	Brick business Brick residence Brick residence Brick school Frame business - Frame barns Frame warehouse - Frame church - Frame Greenhouse - Miscellaneous permits - Total for month	- 138 - 398 - 61 - 56 - 46 - 1076 - 138 - 24 - 28 - 56 - 2016 JULY, 1898. Front Feet.	\$ 18900 00 48000 00 12000 00 9000 00 600 00 78500 00 2100 00 300 00 1500 00 38630 00 \$204780 00 Estimated Cost.	\$ 7 00 24 00 6 00 4 50 1 00 42 22 3 00 56 57 121 40 \$210 85
1 1 2 45 6 1 1 2 2 45 6 3 1 1 2 2 3 5 3 1 1	Brick business Brick residence Brick school Brick school Frame business - Frame residence - Frame barns - Frame warehouse - Frame Greenhouse - Miscellaneous permits - Total for month - MONTH OF Kind of Buildings. Brick business Brick business - Brick barn	- 138 - 398 - 61 - 56 - 46 - 1076 - 138 - 24 - 28 - 56 - 2016 JULY, 1898. Front Feet 54 - 557 - 18	\$ 18900 00 48000 00 12000 00 9000 00 600 00 78500 00 2100 00 300 00 1500 00 38630 00 \$204780 00 Fistimated Cost. \$ 10000 00 85200 00 400 00	\$ 7 00 24 00 6 00 4 56 1 00 42 22 8 00 56 57 77 121 40 \$210 86 Fees \$ 5 00 42 00 42 00
1 1 2 45 6 1 1 1 2285 311 No. of Permits.	Brick business Brick residence Brick school Brick school Frame business Frame business Frame warehouse Frame Greenhouse - Miscellaneous permits - Total for month	- 188 - 398 - 61 - 56 - 46 - 1076 - 138 - 24 - 28 - 56 - 2016 JULY, 1898. Front Feet 54 - 567 - 18	\$ 18800 00 48000 00 12000 00 9000 00 600 00 78500 00 2100 00 300 00 1500 00 38830 00 \$204780 00 Fistimated Cost. \$ 10000 00 85200 00 400 00 9000 00	\$ 7 00 24 00 6 00 4 56 1 00 42 22 8 00 55 77 121 44 \$210 85 Fees \$ 5 00 42 00 56 4 56 4 56 4 56 4 56 4 56 4 56 4 5
1 1 2 45 6 1 1 2 2 55 311 No. of Permits.	Brick business Brick residence Brick school Brick school Frame business - Frame barns Frame warehouse - Frame church	- 188 - 398 - 61 - 56 - 46 - 1076 - 138 - 24 - 28 - 56 - 2016 JULY, 1898. Front Feet. - 54 - 557 - 18 - 47 - 116	\$ 18900 00 48000 00 12000 00 9000 00 9000 00 78590 00 2100 00 390 00 1500 00 38630 00 \$204780 00 #### 10000 00 85200 00 400 00 9000 00 150000 00	\$ 7 00 6 00 6 00 4 5 6 1 00 42 22 3 0 6 5 77 121 4 \$210 8 Fees \$ 5 0 42 00 6 5 6 45 6 75 5 0
14 14 11 12 245 6 11 11 2255 311 No. of Permits.	Brick business Brick residence Brick church Brick school Frame business Frame residence Frame business Frame business Frame durch Frame Greenhouse Miscellaneous permits Total for month MONTH OF Kind of Buildings. Brick business Brick residence Brick barn Brick school Brick hotel Brick Convention Hall	- 188 - 398 - 61 - 56 - 46 - 1076 - 138 - 24 - 28 - 56 - 2016 JULY, 1898. Front Feet. - 54 - 567 - 18 - 47 - 116 - 198	\$ 13800 00 48000 00 12000 00 9000 00 9000 00 2100 00 300 00 300 00 1500 00 \$204780 00 \$204780 00 #### \$10000 00 85200 00 400 00 9000 00 150000 00 75000 00	\$ 7 00 24 00 6 00 6 00 4 56 1 00 4 5 56 56 56 56 56 56 56 56 56 56 56 56 5
14 14 11 12 22 45 6 1 1 1 225 311	Brick business Brick residence Brick school Brick school Frame business Frame barns Frame warehouse Frame church Frame Creenhouse - Miscellaneous permits Total for month	- 138 - 398 - 61 - 56 - 46 - 1076 - 138 - 24 - 28 - 56 - 2016 JULY, 1898. Front Feet. - 54 - 557 - 18 - 47 - 116 - 198	\$ 18900 00 48000 00 12000 00 9000 00 9000 00 2100 00 300 00 1500 00 388530 00 \$204780 00 Estimated Cost. \$ 10000 00 9000 00 15000 00 15000 00 15000 00	\$ 7 00 24 00 6 00 4 56 1 00 42 22 3 0 05 56 77 121 44 \$210 8 56 4 5 6 4 5 6 7 5 00 8 7 5 5 0 0
No. of Permits.	Brick business Brick residence Brick school Frame business Frame business Frame business Frame burnes Frame burnes Frame church Frame Greenhouse - Miscellaneous permits - Total for month MONTH OF	- 138 - 398 - 61 - 56 - 46 - 1076 - 138 - 24 - 28 - 56 - 2016 JULY, 1898. Front Feet. - 54 - 557 - 18 - 47 - 116 - 198 - 120 - 14	\$ 13800 00 48000 00 12000 00 9000 00 9000 00 600 00 2100 00 300 00 1500 00 38630 00 \$204780 00 \$5204780 00 400 00 9000 00 150000 00 150000 00 150000 00 150000 00 150000 00 10000 00 300 00	\$ 7 00 24 00 6 0 6 0 4 54 1 00 4 22 8 00 56 57 121 40 \$210 88
14 14 14 11 12 245 6 11 11 2285 311 No. of Permits.	Brick business Brick residence - Brick church Brick school - Frame business - Frame business - Frame warehouse - Frame Greenhouse - Frame Greenhouse - Miscellaneous permits - Total for month - MONTH OF Kind of Buildings. Brick business - Brick residence - Brick barn - Brick school - Brick hotel - Brick convention Hall Brick rolling mill - Frame business - Frame residence - Frame Frame residence - Frame Frame residence - Frame Frame Frame residence - Frame Fr	- 188 - 398 - 61 - 56 - 46 - 1076 - 138 - 24 - 28 - 56 - 2016 JULY, 1898. Front Feet. - 54 - 567 - 18 - 47 - 116 - 198 - 196 - 191 - 1361	\$ 18800 00 48000 00 12000 00 9000 00 9000 00 2100 00 300 00 1500 00 38630 00 \$204780 00 \$204780 00 \$10000 00 150000 00 150000 00 150000 00 150000 00 150000 00 150000 00 87800 00 87800 00	\$ 7 00 6 0 6 0 6 0 6 0 6 0 6 0 6 6 6 6 6
1 1 2 2 4 5 6 1 1 1 2 2 2 5 3 1 1 2 2 3 5 2 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Brick business Brick residence Brick school Frame business Frame business Frame business Frame burnes Frame burnes Frame church Frame Greenhouse - Miscellaneous permits - Total for month MONTH OF	- 138 - 398 - 61 - 56 - 46 - 1076 - 138 - 24 - 28 - 56 - 2016 JULY, 1898. Front Feet. - 54 - 557 - 18 - 47 - 116 - 198 - 120 - 14	\$ 13800 00 48000 00 12000 00 9000 00 9000 00 600 00 2100 00 300 00 1500 00 38630 00 \$204780 00 \$5204780 00 400 00 9000 00 150000 00 150000 00 150000 00 150000 00 150000 00 10000 00 300 00	\$ 7 00 24 00 6 00 4 56 1 00 42 22 8 00 56 57 77 121 40 \$210 86 Fees \$ 5 00 42 00 42 00

Building Permits Issued by Months as Follows:-Continued.

MONTH OF AUGUST, 1898.

No. of Permits.	Kind of Buildings.	Front Feet.	Estimated Cost.	Fees.	
4	Brick business	146	\$ 5600 00	s 8 00	
20	Brick residence	511	58700 00	29 80	
2	Brick warehouse -	104	40000 00	20 00	
1	Brick church	64	9700 00	4 80	
2	Frame business	8.0	3100 00	1 55	
- 86	Frame residences -	1983	183800 00	78 56	
- 1	Frame barn	15	400.00	50	
1	Frame warehouse -	50	800.00	50	
1	Frame greenhouse		400.00	56	
197			92150 00	130 05	
315	Total for month	2940	\$344150 00	\$264 35	

No. of Permits.	Kind of Buildings.		Front Feet.	Estimated Cost.	Fees	
3 11 1 1 73 1	Brick business Brick tesidence Brick barn Brick warehouse Frame residence Frame barn		07 366 100 116 1612 24	\$ 9000 00 45100 00 14300 00 54000 00 112800 00 1000 00	\$ 4 50 25 50 8 00 27 00 61 25 50	
247	Miscellaneous permits Total for month		2815	8298570 00	\$258 90	

MONTH OF OCTOBER, 1898.

No. of Permits	Kind of Buildings.				Front Feet	Estimated Cost	Fees		
12	Brick business	-			431	\$ 66600 00	8.00	1 100	
16	Brick residence	4		4	460	55800 00	- 22	90	
1	Brick barn +			4	22	500 00		- 54	
2	Frame business			4	34	1000.00	1	L OX	
71	Frame residence	4	-	-	1589	97500 00	- 83	1 50	
2	Frame barn -		-		134	1100 00	1	00	
1	Frame church	-		-	36	900 00		- 54	
1	Frame greenhouse				25	500 00		- 34	
262	Miscellaneous peri	mits		+		54120 00	135	1 0	
368	Total for month	1 -			2631	\$278020 00	8207	H	

MONTH OF NOVEMBER, 1898.

No. of Permits	Kind of Building	18.		Front Feet	Estimated Cost	Fees	
	Brick business +	5		80	\$ 7200 00	8 4	00
25	Brick residence +	-	-	414	64000 00	112	100
2	Brick barn + -	-	-	7/2	1100 00	1	00
1	Frame business -	-	-	20	500 00		50
44	Frame residence .		-	1040	74500 00	m	35
1	Frame machine shop	-	-	72	1000 00		80
191	Miscellaneous permits				28700 00	97	60
267	Total for month		-	1687	8177000 00	8174	04

Building Permits Issued by Months as Follows: - Continued.

MONTH OF DECEMBER, 1898.

No. of Permits	Kind of Buildings.		Front Feet	Estimated Cost	Fees
1	Brick business		41	\$ 2500 00	8 1 25
7	Brick residence		245	26000 00	12 45
1	Brick warehouse	*	23	9000 00	4 50
1	Brick opera house		132	75000 00	87 50
2	Frame business	4	44	1800 00	1 20
45	Frame residence	-	1063	76900 00	-39 83
1	Frame barn	*	20	400 00	50
80	Frame warehouse -	*	96	1800 00 55660 00	60.80
	Miscellaneous permits	*		-	_
139	Total for month -	•	1664	\$248560 00	\$158 70
	MONTH OF JA	ANU	ARY, 1899.		
No. of Permits.	Kind of Buildings.	Fi	ront Feet.	Estimated Cost.	Fees
6	Brick residence	3	195	\$ 27500 00	\$ 13 7
1	Brick office		18	500 00	50
2	Frame business	1	40	2000 00	1 2
39	Frame residence -	2	829	47100 00	26.5
1	Frame barn		18	200.00	5
112	Miscellaneous Permits			26800 00	57 7
161	Total for month		1000	\$104100 00	\$100 2
	MONTH OF FE	BRU	JARY, 1899		
No. of Permits.	Kind of Buildings.	1	ront Feet.	Estimated Cost.	Fees
			56	\$ 6500 00	5 3 2
1	Brick business	(4)			
1 5	Brick residence		124	18500 00	9 2
5	Brick residence Brick warehouse -		118	18000_00	
5 1 1	Brick residence Brick warehouse - Frame business		118 22	18000 00 800 00	9.0
5 1 1 26	Brick residence Brick warehouse - Frame business Frame residence		118 22 608	18000 00 800 00 46200 00	9 0 5 24 2
5 1 1 26 1	Brick residence Brick warehouse - Frame business Frame residence Frame barn		118 22 608 15	18000 00 800 00 46200 00 500 00	9 0 5 24 2 5
5 1 1 26 1	Brick residence Brick warehouse Frame business Frame residence Frame barn Frame office		118 22 608 15 14	18000 00 800 00 46200 00 500 00 2000 00	9 0 5 24 2 5 1 0
5 1 1 26 1 1 1	Brick residence	*******	118 22 608 15 14 80	18000 00 800 00 46200 00 500 00 2000 00 200 00	9 0 5 24 2 5 1 0 5
5 1 1 26 1 1 1	Brick residence Brick wirehouse Frame business Frame residence Frame barn Frame office Frame ice house Frame planing mill	*******	118 22 608 15 14	18000 00 800 00 46200 00 500 00 2000 00 200 00 500 00	9 0 5 24 2 5 1 0 5 5
5 1 1 26 1 1 1	Brick residence	*******	118 22 608 15 14 80	18000 00 800 00 46200 00 500 00 2000 00 200 00	9 2 9 0 5 24 2 5 1 0 5 46 0

MONTH OF MARCH, 1899.

No. of Permits.	Kinds of Buildings.			ront Feet.	Estimated Cost.	Fees	
8	Brick business		2	99	\$ 11400 00	\$ 5	75
44	Brick residence -	4		1374	167500 00	83	75
5	Brick barn	-	-	207	17100 00	9	00
1	Brick freight depot	4	-	48	12000 00	.6	U
3	Frame business -		-	51	1500 00	1	50
103	Frame residence			2325	187800 00	75	70
2	Frame barn			52	800 00	1	-00
1	Frame warehouse			22	1000 00		.50
1	Frame planing mill		-	48	1500 00		75
182	Miscellaneous permit	S	-		38140 00	-03	3
345	Total for month			8226	\$388740 00	\$277	2

Building Permits Issued by Months as Follows:-Continued.

APRIL 1, TO NOON APRIL 17, 1899.

No. of Permits Kind of Buil		ldings			Front Feet	Estimated Cost	Fees	
3	Brick business				71	\$ 5500 00	8.2	70
195	Brick residence	6	-	*	801	106800 00	.03	. 66
1	Brick church -		14	-	801 50	4000 00	2	: 00
1=	Brick brewery	a.	-	-	32	12000 00	6	00
T	Frame business		-	-	21	200 00		50
35	Frame residence	-		-	797	50200 00	27	10
1	Frame barn -		-		14	200 00		34
104	Miscellaneous	-		-		24230 00	754	30
172	Total for month				1810	\$203130 00	\$146	70

Summary of Building Permits Issued by Months.

No. of Permits	Months			Front Feet	Estimated Cost	Fees
128	April 18th, noon, to April 30th, 1	898		1047	\$ 98730 00	\$ 88.20
205	Month of May, 1868	-	+	1834	267140 00	217 N
211	Month of June, 1898 - + +			2016	204730 00	210 8
225	Month of July, 1898 +		14	2515	481800 00	305 7
315	Month of August, 1808	-	100	2940	344150 00	264 3
340	Month of September, 1898 -	-	+	2315	298570: 00	258 9
368	Month of October, 1898			2031	278020.00	257 8
257	Month of November, 1898 -			1687	177000 00	174 9
139	Month of December, 1898 +			1664	248560 00	158 7
161	Month of January, 1899	10	14	1090	104100 00	100 2
121	Month of February, 1899	6		1032	114340 00	94 7
3345	Month of March, 1899	-	-	3226	388740 00	277 2
172	April 1st to noon, April 17th, 186	KI -	-	1816	203130 00	146 7
41148	Grand Total for Year	-		25818	\$3200010 00	82550 2

Classified Summary of Brick Buildings,

No. of Permits	Kind of Buildings			Front Feet	Estimated Cost	Fees	
43	Brick business -		4	1438	#152700 00	8 77 1	
208	Brick residence -	-	-	6337	796700 00	402 1	
34	Brick barn	-		421	20200 (4)	19-5	
-6	Brick warehouse -	*		409	123500 00	61:7	
	Brick church -			175	25700 00	12.8	
9	Brick school + -	-	-	103	18000-00	9:0	
9	Brick freight depot		-	903	23500 00	11 7	
1	Brick hotel			116	150000 00	75 6	
1	Brick convention hall		4	198	75000-00	37 5	
1	Brick opera house	-		132	75000 00	37 5	
1 -				32	12000.00	6:0	
1	Brick office		-	18	500.00		
1-	Brick rolling mill			120	10000 00	5.0	
284	Total for Year			9504	\$1496500-00	8700 0	

Classified Summary of Frame Buildings.

No. of Permits.	Kind of Buildin	ngs.	. Front Feet.		Estimated Cost.	Fees.	
15 694	Frame business Frame residence		-	342 15846	\$ 11800 00 1052100 00	\$ 9 5 571 0	
17	Frame barns		-	344	6900 00	8 5	
6	Frame warehouse -			287	5700 00	B 5	
3	Frame greenhouse -		-	98	2400 00	17	
-9	Frame office		-	28	2500 00	1 5	
2	Frame church	- 4	-	64	1200 00	10	
2 -	Frame planing mill	1 6	-	98	2000 00	12	
1	Frame car barn -	4		80	1000 00	5	
1 -	Frame machine sho	p -	-	72	1000 00	5	
I	Frame ice house -			30	200 00	5	
744	Total for y	vear		17239	\$1086800.00	\$500 5	

Summary of Miscellaneous Permits Issued by Months.

No. of Permits.	Months	Estimated Co	st.	Fe					
92	April 18th, noon to April 30th	. 189	8	-	4	\$ 25630 00		49	50
191	Month of May, 1808		100	-	-	104540 00		131	96
235	Month of June, 1898		4	-	-	38630 00		121	-44
142	Month of July, 1898	-	-	-	-	58600 00		86	70
197	Month of August, 1898 -	21		-	-	92150 00		130	03
247	Month of September, 1808.	-	-		-	62370 00		132	
262	Month of October, 1898 -	-		4	-	54120 00		139	
191	Month of November, 1898 -				-	28700 00		97	
80	Month of December, 1898 -		-	4	-	55660 00		60	80
112	Month of January, 1899 -	-	-	-	-	26800 00		57	
83	Month of February, 1809 -	140		-	1	21140 00		46	
182	Month of March, 1809 -	-	-		7.0	38140 00		93	
104	April 1st, to noon April 17th,	1539	-		-	24230 00		54	
2118	Total for year -			-	-	\$625710 00	8	31201	1

General Summary for the Year.

No. of Permits.	Kind of Buildings.	Fro	nt Feet.	Estimated Cost.	Fees
284 744 2118	Total brick buildings - Total frame buildings - Total miscellaneous permits		9594 17289	\$1496500 00 1086800 00 625710 00	\$755 5 599 5 1201 1
8146	Grand total for yea	r -	26833	\$3209010 00	\$2556 2

Statement Showing Receipts for Money Deposited With City Treasurer.

Date	Amount	Date	Amount	Date	Amount
April 30, 1898	\$88 20	Sept. 8	55 60	Jan. 19	29.95
May 11	40 75	Sept. 20	118 115	Jan. 26	27 55
May 18	30 45	Sept. 28	89 65	Jan. 31	26.00
May 25	45 90	Sept. 30	75 80	Feb. 11	11 00
May 31	100 75	Oct. 11	73 95	Feb. 18	15 00
June 11	54 00	Oct. 19	75 90	Feb. 25	24 00
June 18	44 30	Oct. 26	87 55	Feb. 28	44 75
June 24	48 15	Oct. 31	70 40	Mch. 11	37 35
June 30	69 40	Nov. 11	56 60	Mch. 18	66 25
July 9	110 75	Nov. 17	49.25	Mch. 25	75 75
July 20	48 15	Nov. 26	44 05	Mch. 81	97.90
July 26	84 60	Nov. 30	25 05	April 12	44 75
July 30	117 20	Dec. 14	31 90	April 15	101 95
Aug. 12	70.70	Dec. 21	11 95	TIME THE PROPERTY AND COM	
Aug. 17	37 05	Dec. 27	7 00	Total	\$2556 25
Aug. 26	68 75	Dec. 31	107 85		
Aug. 31	87 85	Jan. J2, 1899	16 75		

List of Official Notices of Various Kinds Served.

List of Official Notices of Various Kinds Served.	
KIND OF ORDERS GIVEN.	NO.
Unsafe and dangerous buildings condemned and ordered torn down	46
Unsafe buildings ordered repaired and put in safe condition	
Unsafe porches ordered repaired	16
Down sponts ordered connected with sewer	98
Dangerous chimneys ordered repaired	11
Dangerous chimneys ordered repaired. Gutters and down spouts ordered placed on buildings	9
Gutters and down spouts ordered repaired	10
Dangerous steps ordered repaired	6
Dangerous stairs ordered repaired	5
Dangerous stairs ordered repaired	3
Fence projecting into street ordered removed	3
Sheds ordered removed from alley	2
Brick chimneys ordered built from ground up	3
Platforms ordered repaired	2
Porch railing ordered repaired	2
Wood sheds ordered repaired	2
Dangerous roof ordered repaired	2
Dangerous walk in yard ordered repaired	1
Unsanitary water closet ordered torn down	1
Dangerous stove pipe ordered removed	1
Dangerous furnace pipe ordered repaired	1
Dangerous dead tree ordered cut down	
Ventillating fans ordered in basement	1
Dangerous water closet ordered repaired	1
Smoke stack ordered built higher,	1
Dangerous cornice ordered repaired	1
Open area ordered protected	1
Open area ordered protected	1
Dangerous retaining wall ordered repaired	1
Dangerous smoke stack ordered torn down	1
Unsanitary cespool ordered connected with sewers	1
Total number of orders issued	218
Pay Roll of the Department for the Year by Months.	
MONTHS.	AMOUNT.
April 18, to April 30, 1898	\$256 60
May, 1898	573 73
June, 1898	570 14
Tuly, 1898	
August, 1898	570 14
September, 1898	570 14 678 13
Deptember, 1000	
October, 1898	678 13
October, 1898 November, 1898	678 13 760 93
October, 1898	678 13 760 93 746 53
October, 1898	678 13 760 93 746 53 717 73 780 73 706 93
October, 1898	678 13 760 93 746 53 717 73 780 73 706 93 640 33
October, 1898 November, 1898 December, 1808 January, 1899 February, 1899 March, 1899	678 13 760 93 746 53 717 73 780 73 706 93 640 33 775 33
October, 1898	678 13 760 93 746 53 717 73 780 73 706 93 640 33
October, 1898 November, 1898 December, 1808 January, 1899 February, 1899 March, 1899	678 13 760 93 746 53 717 73 780 73 706 93 640 33 775 33

Respectfully Submitted,

A. W. LOVE,

SAM. E. BEAR, Clerk.

Superintendent of Buildings.

REPORT

OF THE

Superintendent of the Water Department.

FOR 1899.

OFFICERS OF THE WATERWORKS DEPARTMENT.

Water Commissioners—Geo. S. Graham, President.
Geo. P. Hardesty.
M. V. Watson,

B. T. WHIPPLE.

Secretary, R. M. GODFREY.

Superintendent, D. W. LONGWELL.

Chief Clerk—CHAS. E. RICKERT.

Engineer-Wynkoop Kiersted.

Assessor and Collector Water Rates—C. S. SQUIER.

Chief Clerk-J. B. LAWRENCE.

Engineer in Charge Turkey Creek Station—JOSEPH L. CHAPMAN.

Engineer in Charge Quindaro Station—JOHN F. SICKELS.

To the Honorable Board of Public Works:

Kansas City, Mo.

GENTLEMEN:—I submit herewith Third Annual Report of the Water Department, being for Fiscal year 1898.

OUINDARO.

Pumping engines and boilers at this station are in fairly good condition, and doing good service.

As noted in my last report and previous reports, repairs to our settling basins have been going on, on the plans and specifications now on file in your office, and indorsed by your honorable body. During the past year repairs have been done to the extent of \$32,682.91, making total expenditures to date on such repairs of \$60,101.28. The details of this work will be found accompanying this in the Engineer's report, who has gone into the matter fully.

There remains still further repairs to be done, as you will note by his report, to the walls between basins No. 1 and 2, and 2 and 3, which will be taken up and completed the coming year. You will, also, note in his report that further necessary repairs recommended in the circle wall in basin No. 1. This matter will be taken up and fully repaired the coming season; in fact, it is proposed to put the basins in the best possible condition before quitting.

Our wier system, inaugurated under this management, at Quindaro, has proven satisfactory beyond our most sanguine expectations. In fact, it looks now as though we had solved the problem of filtering our city water by this manner of wiering the water, as we propose to carry the wier system still farther and inaugurate two at Turkey Creek station.

The writer feels that he is somewhat to blame for the muddy condition of the water served to our customers during the month of March, on the occasion of the first break-up of the Missouri river ice; as he would not permit the use of sulphate of alumina to the extent necessary to coagulate and clarify the water, until he had the indorsement of the Health department, certified to by the City Chemist. This certification accompanys this report, together with the complete analysis of all the solids and gases carried by Missouri river water.

We feel very highly pleased with the result so far and after completing the proposed betterments and renewals, feel satisfied that we can give as good results all the year 'round as we are giving at the present time.

FLOW LINE.

This line is in fairly good condition; but the cold weather of February, 1898, developed the fact that we had reached the maximum capacity of this line, as on February 12th, with the mercury 22° below zero, and the majority of the faucets of the consumers being left open to prevent the freezing of their services, the pumpings of our Turkey Creek station reached a total of 14,000,000 gallons. This being about 4,000,000 gallons more than normal pumpings, so that I recommend to your honorable body that an additional flow line be provided for from Kaw Point to Turkey Creek of a diameter of 30 inches, which will give us two 30 inch lines from Kaw Point to Turkey Creek out of one 36 inch line from Quindaro to Kaw Point. This line could be built in sections-say, from Turkey Creek to 12th and Bell streets, being one-half of the distance, or 6,000 feet, in the coming year; and the other, 6,000 feet, from 12th and Bell streets to Kaw Point next year, and I especially urge upon your honorable body the taking up of this matter at once and providing for increasing the discharging capacity from Quindaro to Turkey Creek.

You will find in the Engineer's report his recommendation upon this matter together with his estimate of the cost of the first 6,000 feet. You will further note his recommendations as to the increase necessary in our distributing system, together with his recommendations as to pipe, weights, etc., all of which are very strongly endorsed by the writer.

TURKEY CREEK STATION.

The betterments at this point have included the new water ends of the Gaskell-Holly 9-million No. I engine together with the overhauling of the steam ends, all of which has been done at a total expense of \$10,190.91, so that we now feel that we have a better engine than when new; and together with the Barr Iomillion gives us 19 millions daily capacity with high duty engines.

The machinery at this station is now in good condition and ready for any service it may be called upon to perform.

Further repairs at this station which will be undertaken the coming year are repairs to basins and the cleaning of same.

HOLLY STREET RESERVOIR.

It has been well known for years, that a leak has existed at the southeast corner of this basin, since its first construction in 1874, and although no apprehension of danger is entertained by the department, it is considered by many of the residents of that neighborhood, a menace to their safety, and in view of this fear, the management for the past few months has carried the water in this reservoir at a point below the leak with the determination that in the Spring repairs will be made so as to close all leaks if possible.

DISTRIBUTING SYSTEM.

You will note by report of Street Foreman that his division of the department has increased its work very largely over any previous year, having laid 17,000 feet of pipe more than was laid the previous year, which of course, includes the increased necessary valves and hydrants. You will also note the increased work on hydrants, pipe hauling, etc. This division makes a very creditable showing.

While the Inspection division and the Meter division both show largely increased operations without any increase in the force, I feel that they are to be complimented upon their very effective work. In fact the writer feels obligated to all of the men under him, in the very efficient support they have given him in trying to make the service effective and economic.

I would especially call the attention of your honorable body to the reports of Dr. Coffin, City Physician, and Dr. Carter, City Chemist, upon the purity, quality and healthfulness of our water supply; as they have gone into this matter most thoroughly. Our citizens can feel well satisfied that they are getting as pure and healthful water as is supplied to any city in the world.

You will please note that under your able management, as Water Commissioners, that municipal ownership is still somewhat of a success, as the gross receipts were \$410,000, while the operating expenses, including expenses of the Assessor & Collector, were \$130,000, leaving net, above operating expenses, \$280,000, or 91/3 per cent on the bonded indebtedness.

I wish to thank your honorable body together with the honorable Mayor and the honorable Common Council, for the cordial and warm support which has been given this department in its effort to make the waterworks a success.

Respectfully yours,
D. W. LONGWELL,
Superintendent.

KANSAS CITY, Mo., June 21, 1899.

D. W. Longwell, Supt. Waterworks, City.

Dear Sir:—Replying to your inquiry of recent date, regarding the safety in using sulphate of alumina as a coagulant in the settlement of the city's water supply, I beg to hand you herewith report of Dr. Carter's, City Chemist, which shows conclusively that the water carries no foreign substance that is detrimental to the general health. In fact, I believe that the water is decidedly more wholesome, after receiving the treatment given it by your department. We have tested the water weekly since the first day of March last, and at no time have we found any trace of alum, and I believe that the water supply of this city is as wholesome, in fact, far superior, to that of any of the other large cities in America. Should we be able to continue to clarify the water as satisfactorily as we have in the past few months, I believe we are getting better results than we could obtain, possibly, by any other treatment.

Wish to state further, in connection herewith, that at each time the analysis was made the water was also examined microscopically, and found practically germ free.

Respectfully,
G. O. COFFIN, M. D.,
City Physician and Sanitary Superintendent.

G. O. Coffin, M. D., City Physician, City.

DEAR SIR:—In compliance with your request, I have the honor to report the analysis of city water, taken from hydrants, as follows:

								Grains per U. S. Gal.
Suspended solids, chie	fly c	lay a	and sar	ıd	4	-	-	5.4375
Silica	-	-	+	*	-	-	-	.5800
Alumina		-	+:	+	-	-	-	.0021
Calcium Carbonate				+		-	-	3.3210
Calcium Sulphate		-		141		-		1.2665
Magnesium Carbonate		-	-	+	4	-	-	2.5789
Sodium Chloride		-	-	9	-	-	-	1.4900
Carbonic Acid, combin	ied		1.9	-	*	-		4.1950
Carbonic Acid, free					-	-	-	3.1970
Ammonia, free (Per L	itre)	mil	igram	*	-	-		,0040
Ammonia, Albumenoie	d, (p	er I	Litre)	4	-	-	-	.0270
Iron	+	-	-	-	-	-	*	Traces

In my opinion, the water is of excellent quality. By way of explanation, I may state that water containing oo to .o41 Mg. per Litre, as stated by Prof. Wanklyn, is, so far as organic nitrogen is concerned, of excellent purity. As compared with the water supply of other large cities, I am inclined to believe this superior to almost any of them.

Respectfully,

J. W. CARTER,

City Chemist.

Mr. D. W. Longwell, Superintendent Water Department.

DEAR SIR:—I have the honor to submit a report upon the work of the past year.

RIVER SUCTION.

The auxiliary suction referred to in my report of last year has been swung outward and extended about one foot deeper into the river by means of a curved special casting. There was no occasion to use the auxiliary suction during the past winter because of the unusual high witner stage of water.

SETTLING BASINS.

Borings made in the embankment of No. 4 Basin developed a saturated condition of bank, and the presence of gumbo. Therefore as a matter of precaution four to six weeks were consumed in emptying this basin in order to permit the bank to drain as the water slowly receded in the basin. After emptying, an examination showed so much disintegrated concrete on the bottom and slopes that it was deemed advisable to re-concrete the bottom and to pave the slope. Accordingly, the bottom was covered with 5 to 6 inches of Portland cement concrete and the slope paved with No. 4 vitrified paving brick laid in Portland cement mortar.

Several large leaks were found through bolt holes in the wall, between basin No. 1 (the muddy water basin) and basin No. 4, the supposed clear water basin, which served to recharge with mud the clarified water. These leaks were completely stopped in the work of buttressing the partition wall.

In pursuance of the plan proposed for strengthening the partition walls, eight large buttresses were constructed for the support of the partition wall between basins 1 and 4, and fourteen smaller buttresses for the support of the wall between basins 3 and 4. Also a continuous buttress was constructed around the convex side of the circular partition wall between basins 1 and 3. The 22 buttresses named were built of Portland cement concrete molded in strong forms. The eight large ones rest mainly against the outside of the partition wall, but are securely tied in pairs by the 3-inch through bolts which the National Company used for the pile supports of the partition walls. The fourteen smaller buttresses are set into the partition walls about 15 inches,

and are tied in pairs by one eight inch and two ten inch eye beams extending entirely through the wall and securely anchored and tied into the buttresses. The continuous buttress was also tied to the wall by means of eye beams, anchor rods and insets, and is constructed of Portland cement concrete encased in stone masonry. The foundations of all buttresses extend about two feet below the footing of the partition walls. The lower conduit of the wall between basins 3 and 4 is filled with Portland cement concrete except for the ducts connecting the upper conduit with basin No. 4. A brick arch now replaces the wooden roof to the upper conduit.

The disintegrated masonry in the top of this partition wall was replaced with good masonry to the original level except a depression about 185 feet long and about 18 inches deep, which was left for the passage of water in a thin sheet about one half inch thick from No. 3 basin to No. 4 basin. The only object of this skimming process is to draw from the upper and more clarined strata of water. A similar depression has been left in the partition wall between basins 2 and 3, 133 feet long, and between basins 1 and 2, 120 feet long. The two wiers first mentioned are the most advantageous in the operation of the basins.

The water receives some aeration in passing over the wiers, but little or no advantage of a practical character is expected from this aeration as the river water is naturally thoroughly

The partition walls have been partially coped with artificial stone of Germania Portland Cement.

The partition walls between basins 2 and 3 and basins 1 and 2 are yet to be strengthened with buttresses and iron eye beams, similar to those constructed along the wall between basins 3 and 4. Portland cement should alone be used for this work and for filling the lower conduit of the wall between 1 and 2. This work should be done this fall as the full capacity of basins is at present unavailable during the washing process. The estimated cost of strengthening the remaining walls and of completing the coping is \$9,580.

The wash walls, particularly that of the east wall, are liable to injury from springing by reason of freezing of the clay backing; in fact, the upper three feet of the east wall was thrust forward several inches from this cause last winter. The remedy for this is, as mentioned in my report of November 19th, 1897, to place a drain behind the walls about two or three feet below the top of the bank, and a filling above it of broken stone. The water collecting in the drain should be conducted outside the embankment by cross drains. It is advisable that this should be done this fall. The earth embankment should be maintained below the bottom of the coping.

The plans for the completion of the two remaining walls are on file in this Department.

As the settling basin is designed, the pumps take suction through a 36 inch cast iron pipe laid below the bottom of No. 3 basin and terminating in the lower conduit of the circle partition wall between basins No. 1 and No. 3. This lower conduit connects with the clear water basin. The comparatively thin wall separating the conduit from No. 1 basin is cracked in numerous places, and in consequence of these cracks leakage takes place from the muddy water basin into the conduit which conducts the clear water, and very perceptibly discolors the water in transit to the pumps for delivery to the city. Moreover, this shell of masonry in its present condition possesses a very uncertain resisting power against the bursting pressure of the water in transit through the lower conduits whenever the No. 1 basin is empty for cleaning.

Believing that every precaution should be taken to prevent a blow-out or a collapse of the wall of this conduit, it is my judgment that it should be supported and the masonry cracks closed by a continuous buttress in No. 1 basin extending to the solid masonry above the lower conduit.

The use of the wiers during the spring fulfilled all reasonable expectations of their usefulness. The delivery of muddy water from the Quindaro basins for a short time during the early spring was due to a failure to use a sufficient amount of coagulate. It is a well known fact that the Missouri river water cannot be successfully clarified either by sedimentation or filtration without the use of coagulates. Thus far the sulphate of Alumina is found to be the most available and economical coagulate. Had it been used in sufficient amount it is believed that the siege of muddy water in the spring could have been averted.

The carbonates in the Missouri river water are as a rule much in excess of that required for proper coagulation. At all times the clarified water delivered to the city has possessed a sufficient amount of carbonates to decompose more alum than was originally applied to the river water, showing clearly that no undecomposed alum remains in the water supply. This test has been confirmed by frequent and delicate tests for undecomposed alum. At present the extension of the settling basins is unnecessary. The water delivered to the city may have a slight whitish turbidity from finely divided magnesia which it is impracticable to remove except by recoagulation. It is believed that a better water can be delivered the city than has been delivered heretofore.

EXTENSION OF FLOW LINE.

In my report of March 9th, 1899, it was shown that the safeworking head for the pumps at Quindaro when working at their greatest capacity, is about 60 feet, and that at this head the capacity of the present flow line is about 13 million gallons per day. This capacity scarcely attains to the maximum daily demands of consumption. Accordingly an additional 30-inch pipe line is recommended from Kaw point to Turkey Creek. The first and more expensive section of this line, namely, that from Turkey Creek to the intersection of 12th and Bell streets, is estimated as closely as the developed data will admit, at \$37,000.

DISTRIBUTING SYSTEM.

The reinforcement of the distributing system is a work yet to be undertaken. In many respects, however, the cost of this undertaking may be distributed over a term of years, if cross feed pipes conforming to a plan of reinforcement be constructed as the demand arises for extensions. In view of this, a plan of distribution is being worked out and estimates made accordingly, whenever an ordinance for an extension is requested. Some of the main feeders, however, should no doubt be constructed independent of the regular work of extension. An instance of this character is the 20-inch main proposed for the reinforcement of the north side distributing system. In my report of January 9th, 1899, it is stated in substance as follows: "From the Turkey Creek pumping station four mains, one 30 inches, two 20 inches and one 16 inches in diameter, distribute water to the city. The 30-inch main reduces to a 24-inch pipe at 17th and Holmes

streets, the 24-inch pipe reduces to a 20-inch pipe at 15th and Lydia, the 20-inch main reduces to a 16-inch main at 12th Street and Euclid avenue, and this in turn to a 12-inch pipe at the intersection of Independence and Garfield avenues. The number of small feeders connecting with the 24-inch and 30-inch mains are so few that these mains are throttled to about 84 and 60 per cent of their respective discharging capacities. These small feeders are over-worked in order to supply the many distributing pipes of the system, particularly during intervals of fire service. The remedy is obviously to draw upon the throttled mains with a large feeder and by means of it interest as many as practicable of the small feeders and distributing pipes. Accordingly it is recommended that the 30-inch main be tapped at 17th Street and Baltimore avenue, and a 20-inch main be laid along Baltimore avenue and Wall street to 7th; thence along 7th street to Main street, intersecting on the way two 10-inch and three 12-inch feeders besides additional pipes of smaller diameter. In my judgment this main should be laid at an early day. Eventually it can be extended along 6th and 7th streets eastward as occasion may The estimated cost of this main to 9th street and Baltimore avenue is \$23,500, and to the intersection of 7th and Main streets is \$5,500 additional, and to 7th and Holmes streets is \$14,300 more than to 7th and Main streets.

One 20-inch main from Turkey Creek Station leads to the reservoir for the supply of the Holly Street Reservoir. The other is for the supply of the West side, and extends to 19th street and Madison avenue where it reduces to 15-inch and 12-inch feeders.

The 16-inch main parallels the 30-inch main from Turkey Creek to Baltimore avenue; thence goes southward along Main street and Grand avenue to 22nd street; thence as a 15-inch main to 23rd street where it terminates in a 10-inch pipe. It is now proposed to tap the 15-inch pipe at Grand avenue and 23rd street, and to carry a 12-inch pipe along 23rd, Charlotte and 25th streets to Tracy avenue; thence a 10-inch pipe along Tracy avenue to 31st street, and another 10-inch pipe East along 25th street to Brooklyn avenue. These extensions to the 15-inch main can be made progressively as the demand for extensions arises.

It is urged that a standard specification be adopted for the purchase of cast iron pipe and special castings. Also that future

contracts for special castings, as well as for water pipes, require the usual coal tar coating applied hot in order to prevent tuberculation which will certainly ensue, and a serious impairment of service follow, if uncoated pipe or specials be used.

The following weights of pipe are recommended:

Variation of Weight	5 per cent	2	n 9	5 0	5 44	5	0 0	2	**	*	- +	**	- +	4) F	11 17	*		**	. +	4
Approximate Thickness	***************************************		.520	.592	629	699	.635	1744	.692	.82	7.48	888	805	.967	.882	1.042	975	1.191	1.145	1.415
Maximum Weight per Length	772	441	584	870	804	985	1054	1243	1823	1579	1641	1959	1970	2384	2888	2848	3167	8888	4636	5775
Weight per Length	264	450	557	638	788	168	1004	1184	1272	1518	1568	1884	1894	2292	2248	2789	3045	8748	4458	5553
Minimum Weight per Length	251	888	530	909	728	847	954	1125	1221	1457	1495	1809	1818	2200	2158	2630	2923	3598	4280	5831
Total Length	***************************************		***************************************	***************************************	STREET, STREET, STREET,	***************************************		***************************************			***************************************					***************************************		***************************************		
Inside Dinmeter in Inches	lass	" A	" A	11 B	" A	B	" A	4 B	" A	44 B	" A	44 B	44 A	B	" A	41 В	** A	+ B	" A	" B
de Di	ch, C			11	*			,	**	- 6				**		77	9.0	94		
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The lighter pipe, which are not less than standard weight pipe, is for use for elevation above 150 feet, and the heavier pipe for elevations below 150 feet, city datum. This table provides for the same classification of pipe weights as recommended by the Board of Engineers in October 1891, who reported on a new water works for Kansas City, except that the weights or thickness of iron herein recommended is less, since our regular service covers a range of pressure or head from 300 to 400 feet, while that estimated on and by the said Board was 340 to 455 feet above the city datum.

I beg to thank you for the support afforded me in carrying out the allotted work.

Respectfully submitted,
WYNKOOP KIERSTED.
Chief Engineer.

RECEIPTS AND EXPENDITURES.

Balance with Treasurer April 18, '98	\$121,693.12
Total Receipts	410,570.29
Assessor and Collector \$ 11,136.89	
Operating Expenses 119,148.89	
Betterment of Plant 86,072.22	
Interest on Bonds 138,195.00	
Balance with Treasurer April 17, '99 177,710.41	
\$532,263.41	\$532.263.41

PAY ROLLS AND VOUCHERS—1899.

Department.	Pay Rolls.	Vouchers.	Total.
Supt., Engineer and Office	\$ 7,479.17	\$ 423.85	\$ 7,903.02
Street	9,519.13	1,998.21	11,517.34
Inspection	11,427.02	1,405.74	12,832.76
Meter	9,800.36	1,288.66	11,089.02
Turkey Creek.	20,161.39	17,119.15	37,280.54
Quindaro	13,398.83	12,645.67	26,044.50
Miscellaneous	1,003.55	5,342.32	6,345.87
Barn	2,114.63	2,476.00	4,590.63
Construction	245.56	1,299.65	1,545.21
Assessor and Collector	9,318.18	1,818.71	11,136.89
Betterment.	1,416.82	7,433.00	8,849.82
Appropriations	28,490.02	48,732.38	77,222,40
\$	114,374.66	\$101,983.34	\$216,358.00

Expenditures Fiscal Year 1898.

Total	\$20000 2 1250 74 1250 74 1250 75 150000 75 15000 75 15000 75 15000 75 15000 75 15000 75 15000 75 15000	821628 00
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Turkey	\$75.5	\$37280 54
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May 24th, 1899.

D. W. Longwell, Superintendent Water Department.

SIR:—I herewith submit my annual report of Street Division of Water Department, showing work of construction and repair for fiscal year ending April 17th, 1899.

Respectfully,

J. S. CANNON,

Street Foreman.

Inventory of Material Used and Stock on Hand April 17th, 1899, by Street Department.

CAST IRON PIPE.

			On I	land
Size	Received	Disposed of and Laid	April 18, 1868	April 17, 1866
			Lincal Feet	Lineal Feet
3-Inch		48	180	132
4 ''	8472	8474	2042	2040
6 "	48936	48156	11791	12571
8 "	756	57 00	6372	1428
10 ''			. 192	192
12 ''		• • • • • • • • • • • • • • • • • • • •	. 60	60
15		24	36	12
16 ''			. 72	72
20 "		60	120	60
24 ''			. 48	49
30 ''			. 38	24

Report of the Work Done by the Street Division of Waterworks Department from April 18th, 1898 to April 17th, 1899

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10124	Bith, Main to Baltimore	27	988		1			-		or other	7	1 9-				2	006	o yards Asphait.
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Mains Laid in Fiscal Year 1898.

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9373	Michigan, 23rd to 224 feet north Harrison, 31st to 32nd		204		204	0.0	A.			-	1		10	\$150 54	85.05
9520	20th, S. W. Boulevard to Broadway		000	*****	990	******	21.2	New 7 to	28.0			-	-	208 20	!!=:
9578	Vine, Linwood to Springfield.		000		099		-		4-		12.4.4.	1	10 24		18
9655	Olive, 30th to 31st	****	170		624	******	1	4 77 16	-	24 -			- TO +		905
9657	28rd, Tracy to Lydia	37.5	010	******	375	1		*****	-	*****		20000	******	285 06	7.6
9889	Brooklyn, Amie to Minnie		720		720		- 0	*****	H 2	-17	123.04)				625
9708	26th, Brooklyn to Park		988		355				-			-			689
9704	Euclid, 30th to 31st		624		625					51	10000		24.		9
9717	Wabash, 29th to 30th		648		648						4 01		4 54	543 50	65.
9718	2nd, Main to Walnut		132	****	482		1	****		****	1		-		99
9719	Montgall, 22nd to 2sth		2016		2016	*****					10 71	****	20 00	1104 14	98
9721	Brooklyn, 17th to 18th			636	9899			1		Sec. 1	i	-	-	140	2 32
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0990	W. Prospect, 21st to 23rd		648		818				-	21			101		16
10120	Smart, Indiana to Askew	1000	989		188		71		20 -	No.	-				89
10122	Baltimore, 34th to 35th	000	588	111111	2883	4			-	101			- 51	600 00	1 00
10124	34th, Main to Baltimore		350		3336		-	777	1	+			1		E E
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10250	. 1004	1000	1476	*****	1476	4	1			. 6	. 65			1108 88	17
10348	lland, 34th to 3		2000	3288	8558			-	-	110	200000		10		813
10349	Walnut, 29th to 31st	660	1206		1296		1	1000	-		2	41-50	20 -		89
10894	Flora, 29th to 30th		732	1111111	1357				Property	-	61		101	302 52	67
10396	7		516		919		-	* * *			1	141100	-		23
10097	Park, 19th to 2lird		2016		2016	200	N 29		1 24	-	. 22		-	1405 00	11
10473	23rd to		5001		2004		21		24	20	11.000				288
10474	Flora, 32nd to 36th.	634	2040		2640) 6	-	:	- 0	0-	20		x-	2178 88	30 30
10177		1308	******		1008	10000	*****		1000	20			1 20	715 76	200
10521	So and of Pages	504	-000		F00	74			21 -	٠,				200 58	622
10523	iter So. el	852	200		862	1		101/00		- 21	1111111		- 01	407 68	Z 4
10524	15th to center So, end of	*****	1281		1581		74		20 1	7			-	910 15	202
10525	Grove, 12th to 130 feet north of N. L. 11th Chestnut, 21st to 28rd	099	. XXX	*X***	8888	-		4 14 4		21 21		1144	C) =	400 97	21:
10003	18th to		8720		3720		22 -	***	22.				10	25 SE	8
10801	Harrison, 21st to 94th		1380		1080		1		1 1	-	-=	*****	00.00	988 40	883
THESE	Smart, askew to mentoe	1	BOL		C C		1		-		1000	25 12 20			622
		00722	40728	8824	51624	1.1	46	79	62	99	华	20	118	\$0500H B2	

Location of Hydrants Placed During Fiscal Year, 1898.

	39th and Woodland5	Incl
S. W.	38th and Woodland5	**
	37th and Woodland5	**
	35th and Woodland5	3
	Woodland between 34th and 35th5	
	Brooklyn between 17th and 18th6	44
W. S.	Holly between 28rd and 24th	4
W. S.	Vine between 10th and 11th	41
S.W.	West Prospect and 17th4	
N. W.	West Prospect and 20th4	111
W. S.	Grove between 13th and 14th4	41
	Grove between 16th and 17th4	
W. S.	Grove between 16th and 17th4	64
N. W.	Grove and 12th 4	4.0
N. W.	Grove and 11th	**
N. S. I	Pacific between Campbell and Troost4	44
W. S.	Vine between 31st and 32nd4	1.44
S. W.	Vine and 31st	4.0
	Oth and Bellefontaine5	44
S. W.	10th and Walrond5	**
	0th between Indiana and Bales4	13
	10th and Indiana5	**
	10th and Bales4	**
	31st and Walnut6	46
S. W.	29th and Walnut5	Ye
W. S.	Walnut between 29th and 30th5	**
W. S.	Walnut between 30th and 31st5	-
N. W.	29th and Flora	**
W. S.	Flora between 29th and 30th	**
S. W.	Westport and Main	**
S. S. 1	Ith st. between Flora and Vine	
	Park between 9th and 10th4	
	Park and 20th	40
S. W.	Park and 22nd	++
e w	Park and 24th4	**
	Park and Howard4	
We	Park between 25th and 26th4	44
WS	Flora between 320d and 33rd4	16
NW	Flora and 33rd	15
W.S.	Flora and 33rd	
W. S.	Flora and 34th	- 11
W. S.	Flora and 34th	
N. W.	Flora and 35th	**
W. S.	Flora and 35th	- 64
W.S.	Flora between 85th and 36th	44
S. W. 1	8th and Genesee5	11
W. S.	Grove 191 ft. N. 18th	11
W. S.	Flora 246 ft. N. of S. end Pasco4	**
W. S.	Flora 540 ft, N. of S. end Paseo4	41
W. S.	Flora 87 ft. S. of 15th	25
W. S.	Flora 280 ft. S. of 15th	**
W. S.	Chestnut 169 ft. S. of 21st4	**
W. S. (Chestnut 25 ft. N. of N. line 22nd	.44
W. S.	Chestnut 154 ft. S. of 22nd	61
W. S.	Chestnut 51 ft. S. of S. line 23rd	64
S. S. X	Agnes 318 ft. S. of 18th	**
W.S.	Agnes 318 ft. S. of 18th	**
S. W.	Dunham and Agnes	11
S. W. :	A)th and Agnes	61
	21st and Agnes5	
W . S. /	Agnes and 22nd4	**

Hydrants-Continued.

S.	W.	Agnes and 23rd	incl
W.	S.	Agnes between 23rd and 24th 4	4.1
S.	W.	Agnes and 28rd 5 Agnes between 23rd and 24th 4	**
W.	S.	Agnes between 23rd and 24th4	44
S.	W.	Agnes and 24th	**
S.	W.	Agnes and Howard 4	66
N.	W.	Harrison and 22nd 5	. 16
N.	W.	Harrison and 23rd 5	X E
S.	W.	Harrison and 24th 5	61
W.	S.	Harrison and 24th 5 Olive between 30th and 31st 4	**
N.	W.	Olive and 31st 4	44
W.	S.	Olive and 31st 4 Holly between 20th and 21st 4 Brooklyn between Amie and Minnie 4	"
W	S.	Brooklyn between Amie and Minnie 4	44
W	S	College between 14th and 15th4	
W	S	College and 13th	**
S	F	Park and 98th	11
W	8	Park and 26th	**
N	W	Euclid and 31st	44
		Grand and 23rd5	
		Wabash and 29th	
		Wabash between 29th and 30th	
		Second and Walnut	
17	Li	Montgall and 23rd5	
N.	W.	Montgali and 23rd	
N.	W.	Montgall and 24th5	
N.	W.	Montgall and Howard	44
W.	S.	Wabash between 23rd and 24th4	44
S.	W.	Wabash and 24th 5 Wabash between 24th and 25th 4	
W.	S.	Wabash between 24th and 25th4	40
S.	W.	Wabash and 25th4	
		Wabash between 25th and 26th4	**
S.	W.	Wabash and 26th5	
S.	W.	Askew and Roberts5	45
S.	W.	Askew and Thompson5	**
S.	W.	Garner and Askew5	
		Smart and Askew5	14
		Lexington and Askew5	11
S.	W.	Anderson and Askew5	44
S.	W.	Morrell and Askew4	16
S.	W.	Windsor and Askew	66
S.	W.	Independence Boulevard and Askew	. 44
S.	W.	Norledge and Askew5	. 58
W.	. S.	Askew between Boulevard and Norledge5	64.
W.	S.	Montgall 300 ft. N. of Independence 6	44
W	S.	Montgall 600 ft. N. of Independence	
S.	W.	7th and Indiana4	16
N.	W.	8th and Indiana4	- 10
		Central and 20th6	
W	S	Harrison between 31st and 32nd6	11
W	S	Michigan4	66
S	W	Smart and Bales	**
		34th and Baltimore	44
		Baltimore and 35th4	**
W	8	Baltimore between 34th and 35th4	11
G.	W	West Prospect and 21st4	**
W	e.	West Prospect and 21st4 West Prospect between 21st and 22nd4	
C	C 1	13th st. 137 ft. E. of Broadway	11
W.	0	Central 331 ft. S. of 12th	**
W	0.	Wyondotte 159 ft C of 10th	**
W.	0	Wyandotte 153 ft. S. of 12th	**
		13th between Wandotte and Central	14
		Grand 51 ft. N. of 23rd	
		Grand 142 ft. N. of 24th	"
W.	5.	Grand 28 ft. N. 25th	¥ E
		Santa Fe between 7th and 8th6	**
		Santa Fe between 7th and 8th 4	**
		Flora between 15th and 16th 3	
W	3	Flora between 15th and 18th	4.6

Valves and Hydrants and Specials on Hand April 17, 1899.

Article	Size	No.	Article	Size	No.
deeves and Rings	4 in.	13	Cast Iron Crosses	10 in.	4
Serves and Rings	6 "	22	Cast Iron Crosses	12	1
leeves and Rings	N n	1	Cast Iron Crosses	16 **	1
Seeves and Rings		- 3	Cast Iron Crosses		11
leeves and Rings		5	Cast Iron Crosses		1
leeves and Rings		11	Cast Iron T's	4 0	2
leeves and Rings		4	Cast Iron T's	B 11	67
leeves and Rings	20 4	1	Cast Iron T's	N 11	10
Serves and Kings		0	Cast Iron T's	10 "	11
leeves and Rings		2	Ludlow Hyd ants	4	4
leeves and Rings	2565 +-	2	Luclow Hydrants	5 11	0
ast Iron Bends	4 **	40	Gaskell Hydrants	6. 11	0
ast Iron Bends	Ø 14	117	Corey Hydrants	4 44	1
ast Iron Bends	W 11	17	Ludlow Valve		- A
ast Iron Bends	10	11	Ludlow Valve	n 11	10
			Ludlow Valve	9 11	10
ast Iron Bends		0		10 "	1
ast Iron Bends	To	0	Ludlow Valve	10 10	1
ast Iron Bends	20	1	Ludlow Valve	12 "	1
ast Iron Reducers	0	14	Smith Valve	1	- 4
ast Iron Reducers	0	18	Smith Valve	.0	9
ast Iron Reducers	10	1	Smith Valve	8 10	1
ast Iron Reducers	12	1			
ast Iron Plugs	40 11	25	Used for Betterments-		
ast Iron Plugs	6 "	21	Valve Covers ,	121	
ast Iron Plugs		21	Six inch T's	145	101000
ast Iron Anchors		128	Six inch Bends	91	
ast Iron Anchors		14	Four inch Bends	39	Diane
ast Iron Anchors	8 "	16	Sleeves and Rings	41	1+1-14)
alve Covers		2	Six Crosses	44	
ast fron Crosses	4 "	9	Sleeves (Smith).	14	Servas
ast Iron Crosses	6 "	27	Eight inch T's	12	40000
ast Iron Crosses	N 44	14	Eight to Six Reducers	12	

	Hy	drants.			V	alves.				
Received	Set.	On	Hand	Received	Set.	On Hand				
Mineral	oct.	April 18, 1898	April 17, 1896	Receiven		April 18, 1898	April 17, 1809			
118	148	29	0	(0)	96	81	15			

Inventory of Miscellaneous Stock on Hand.

Syphons, 2; Block and Tackle Sets, 4; Derricks, 2; Shovels, 98; Picks, 76; Valve Keys, 10; Sets Hydrani and Valve; Repair Outfit, 3; Sets Calking, Cutting and Pipe Laying Tools, 3; One Well's Light; Packing, Hemp, 200 lbs; Lead, 4,000 lbs.

KANSAS CITY, Mo., Apr. 17, 1899.

200	220	
	117	Longwell,
	$\nu \nu$	Lanneragell

Superintendent of Water Works.	-
Dear Sir—Below is a report of Inspection Department	for
the fiscal year ending April 17, 1899.	
On, regular	4636
On, repaired	685
On builders	381
On and off for elevator test	25
Off, moved	1443
Off, request	479
Off, violation	124
Off, unpaid	1711
Off, leak	857
Off, builders finished	319
Examined by Building Inspector.	2015
Shortages by Building Inspector	113
Violations by Building Inspector	238
Re-rated	4523
Re-rated See if O. K	2724
See if off	4981
Trenches examined	2193
Small mains turned off	88
Statements taken	914
Boxes measured, special	58
Boxes out of order	782
Notices to repair boxes	180
Keys captured	20
Services examined, special inspection	1604
Leaks found and notices given	2855
Blocks consumers notified before street is paved	199
Connections found outside of meter	3
By-pass valves examined.	11
By-pass valves sealed	37 12
Fire protection valves examined	447
Fire protection valves examined	88
Examination for correction of maps	4
Miscellaneous	5442
Sprinkling violations	92
Service permits issued	1469
Service permits examinations	1992
Service permits rejections	496
Extension permits issued	2297
Extension permits inspections	2496
Extension permits rejections	313
Taps made	1090
Fountains examined	917
Services repaired	214
Services disconnected	114
Fountains reset	6
Small mains thawed out	48
New fountains set	3

Respectfully submitted,
WALTER R. WILSON,
Chief Inspector.

METER DEPARTMENT.

D. W. Longwell, Superintendent Kansas City Waterworks.

DEAR SI department fo		ith I s	ubmi	t the	e foli	lowin			of	this
No. of meters in		ne begin	ing of	the	year			14	+	3683
No. of meters so	t	-		-		7		7	*	540
										4223
No, of meters to	ken out		+						*	123
No. of meters in	in-									4100
No. of indicator				0	3		-			61
ator or indicator	o in service									01
Average No. of					+			*		3877
Average No. of		ad mont	thly	-						60
No. of meters re	paired -		-			*	-	4		743 1294
	set								-	39
0 " ra			-	-		-	-		+	7
** ** pa	cked -			-	-		-	-		322
	nspections				-		-	+.		1315
laucets	repaired			*	*				*	761
** wooden	eter boxes pi	11 111	-	-	_					109
	" " rej		-		-	-				28
" stop box	es reset									7
" dial glas	ses put in									14
" wagons	painted and	repaire	d		+		*	*		5
W	ORK DONE FO	R THE	INSPE	CITO	N DE	PART	MENT			
					-					20
No. of places tu	on wat		-	-		2	-	3		76
" leaks lo	0.14		-							3
	inspections				+				-	25
	Men and									
April 17th, 1898	rs in stock									24
44 11										47
0 0	repaired as	nd put	in ste	ick		-		-		38
										100
	and Francisco and	ant.								109
April 17th, 1899	ser mom se	ock	*	*	*	-	*		•	93
No. of mete								16		16
" City	meters in ser	vice		-	4					826
" prive	ite " "	14	*		4	14	+		-	3274
										4100
										4100
	NO. OF MET	ERS IN	STOCK	API	RIL 1	7, 189	99.			
1/2 in. Crown				+		2		-		1
14 in. "	-		3		-			+		4
in. Hersey			*		-			-		2
1 in. Crown						-				2 3
1 in Union				-						1
3 in. Crown				-						2
4 in. "	-		-				*			1
										10
										16

METERS SOLD.

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FOR M	IATER	IAL US	ED I	N REF	AIR	NG A	ΑN	D SET	TING	MET	ER	s,		
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 in. Crown in. " in. Trident 		- 1	98 88 38 11 12 15 9 2— 77 20 15 2 6 7— 81	373		2 in 1 1 in 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	n	Trider Nash Worth "" Thom Union Pittsb Empin Lamb	son			1	1— 5 1— 5 6 1 1 1— 8 2—	94 16 14 10 2 2 3 1
 in. Crown in. " in. Hersey in. " 		- 1	98 88 38 11 12 15 9 2— 77 20 15 2 6 7— 81 6	373		2 in 1 1 in 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	n	Trider Nash "" Worth "" Thom " Union Pittsb	son			1	1— 5 1— 5 6 1 1 1— 8 2—	94 16 14 10 2 2 3
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REMARKS.

Owing to the rapid growth of this Department, the work done the past year has been largely in excess of any former year, and although with one less man employed on the force, the work has been thoroughly and promptly done and the general condition of the department has been greatly im-

The amounts charged for labor, represents only a part of the work done, as one-half or more of the time is consumed reading meters, on special inspections, etc., for which no charge is made.

S. S. MOREY, Clerk.

Respectfully submitted,
J. F. ANDERSON, Foreman.

TURKEY CREEK STATION.

	Water. Gallons.	Coal. Pounds.
April 18th to 30th, 1898	110,492,739	679,500
May		1,570,269
June	268 690,679	1,567,824
July	284,828,163	1,713,216
August	318,388,583	1,816,276
September	313,054,882	1,864,700
October		1,849,448
November	279,623,977	1,710,183
December	276,019,999	1,640,119
January	269,277,987	1,565,534
February	296,995,557	1,778,498
March	269,112,660	1,684,503
April 1st to 17th, 1899	124,986,418	713,080
	3,363,679,947	20,153,250

10,076 ½ tons coal at \$1 28—\$12,898 08. Per million gallons, \$3 83 ½. Pay rolls, \$20,161 39. Expense,\$4,221.07.

QUINDARO STATION.

	Water. Gallons.	Coal. Pounds.
April 18th to 30th, 1898	133,980,000	297,900
May	305,382,000	702,200
June	317,856,000	671,000
July	335,959,010	762,200
August	310,429,400	768,400
September	333,102,000	924,400
October	317,394,000	944,000
November	309,082,000	864,300
December	339,570,000	894,000
January	336,678,000	759,950
February	287,812,000	732,200
March	305,944,045	754,350
April 1st to 17th, 1899	140,731,260	254,450
8	,773,919,715	9,329,350

4,664.1350 tons at \$1 28-\$5,970 78. \$1 58 per million gallons. Pay rolls, \$13,398 83. Expense, \$6,674 89.





THEW YORK ELEVENTH ANNUAL REPORT

OF THE

BOARD OF PUBLIC WORKS



OF KANSAS CITY, MO.

For the Fiscal Year, 1899.

April 17, 1899, to April 16, 1900.



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ELEVENTH ANNUAL REPORT

OF THE

BOARD OF PUBLIC WORKS

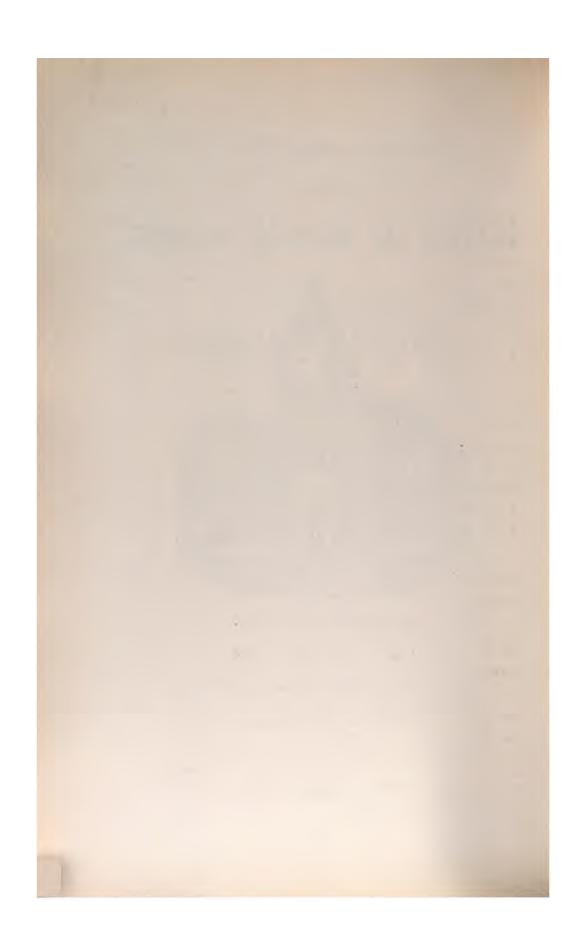


OF KANSAS CITY, MO.

For the Fiscal Year, 1899.

April 17, 1899, to April 16, 1900.





BOARD OF PUBLIC WORKS.

Geo. S. Graham President
Geo. P. Hardesty Member
M. V. Watson Member
B. T. WHIPPLE Member
R. M. Godfrey Secretary
W. S. CAMPBELL †)
H. A. Shirk
IDA G. FIELD Stenographer
DEPARTMENT OF ENGINEERING
HENRY A. WISE City Engineer
STEPHEN A. MITCHELL Assistant City Engineer
H. P. Selden - Superintendent of Construction
MARCUS E. GETCHELL Chief Clerk
J. A. McGee - Supt. of Sidewalks and Curbing
E. A. Harper Chief Draughtsman
DEPARTMENT OF STREETS AND ALLEYS.
WM. M. SLOAN Superintendent
STANLEY M. HYER Chief Clerk
DEPARTMENT OF BUILDINGS
A. W. Love Superintendent
Samuel E. Bear Clerk
DEPARTMENT OF WATER WORKS.
D. W. Longwell Superintendent
W. Kiersted Chief Engineer
Chas. E. Rickert Chief Clerk
+ W. S. Campbell, deceased,

BOARD OF PUBLIC WORKS.

FISCAL YEAR 1889.

NAMES OF MEMBERS.	LENGTH OF SERVICE.
J. M. Patterson, President Fred Howard, Member L. K. Thacher, Member Phil. E. Chappell, Member	June 11, 1889, to April 21, 1890 June 11, 1889, to May 2, 1890 June 11, 1889, to April 25, 1890 June 11, 1889, to May 2, 1890
FIS	SCAL YEAR 1890.
J. S. Cannon, President	
FIS	SCAL YEAR 1891.
J. S. Cannon, President. Jno. R. Stoller, Member H. C. Muroby, Member Chas, A. Rollert, Member TGeo, Holmes, Member	Term expires April 18, 1892 April 27, 1891, to Nov. 12, 1891 April 27, 1891, to April 18, 1892 April 27, 1891, to April 25, 1893 Nov. 12, 1891, to May 4, 1893
	CAL YEAR 1892,
Peter H. Tiernan, President Chas, A. Rollert, Member Geo. Holmes, Member †John Taylor, Member JJas. H. Oglebay, Member	April 18, 1892—elected for 4 years April 27, 1891, to April 25, 1893 Nov. 12, 1891, to May 4, 1893 April 28, 1892, to Aug. 9, 1892 Aug. 9, 1892, to April 22, 1892
	CAL YEAR 1893.
Peter H. Tiernan, President Arthur J. Mason, Member Geo. Kumpf, Member Geo. Holmes, Member	From April 18, 1892—term 4 years April 22, 1893, to April 26, 1894 April 25, 1894, to April 25, 1894 May 4, 1893, to May 25, 1894
FIS	CAL YEAR 1894.
Peter H. Tiernan, President	From April 18, 1892—term 4 years From April 25, 1894—term 2 years From April 25, 1894—term 2 years April 26, 1894, to Oct. 31, 1894 Nov. 30, 1894, to April 21, 1896
FIS	CAL YEAR 1895.
Peter H. Tiernan, President John C. Gage, Member L. C. Slavens, Member R. S. Owen, Member V¶Geo. J. Baer, Member	April 18, 1892, to April 20, 1896 April 25, 1894, to April 21, 1896 April 25, 1894, to Dec. 4, 1895 Nov. 30, 1894, to April 21, 1896 Dec. 4, 1895, to April 21, 1896
FISCAL	YEARS 1896 and 1897.
Geo. S. Graham, President Geo. J. Baer, Member Geo. W. Youmans, Member Geo. P. Hardesty, Member	From April 20, 1896—term 4 years From April 20, 1896—term 2 years From April 20, 1896—term 2 years From April 20, 1896—term 2 years
200000	YEARS 1898 and 1899.
Geo. S. Graham, President	From April 20, 1896—term 4 years From April 18, 1898—term 2 years From April 18, 1898—term 2 years From April 18, 1898—term 2 years
TGeo. Holmes, appointed, vice †John Taylor, appointed, vice ¡James H. Oglebay, appointed ¡Geo. Holmes, re-appointed ⟨R. S. Owen, appointed, vice la †¶Geo. J. Baer, appointed, vice la	H. C. Murphy, resigned. , vice John Taylor, resigned. L. K. Thacher, deceased.

REPORT OF THE BOARD OF PUBLIC WORKS

OF KANSAS CITY, MISSOURI,

For the Fiscal Year Ending April 16, 1900.

To the Honorable Common Council, Kansas City, Mo.

Gentlemen:—The Board of Public Works herewith respectfully submits its annual report for the fiscal year 1899—from April 17, 1899, to April 16, 1900.

The apportionment for the year was \$160,000.00; the unexpended appropriations brought over from the last fiscal year (1898) amounted to \$2,657.36; there was transferred from the expense fund \$1,500, making a total of \$164,157.36 to be accounted for by this Board.

RECEIPTS.

Apportionmer Unexpended a Transferred f	nt ppropriations from 1899 rom expense fund		51	60,000 2,657 1,500	00 36 00
			\$1	64,157	36
	CONTRA.				
	ferred to general fund ferred to expense fund		.5	3,455	72 00
To be a	counted for		51	3,463 60,693	
	DISBURSEMENTS.				
Department Expenses	Board of Public Works Engineering Department Street Department Building Department	\$ 13,217 31 58,722 08 79,784 96 8,963 94	51	60,688	29
Appropriation	unexpended, cash in treasury	-	5	5	35
Total ac	counted for		.51	60,693	64

The following table shows the expenses of the several departments of the Board of Public Works and the funds at its disposal, accounted for each year since its organization:

Expenditures of the Board of Public Works Department Since Organized.

Fiscal year ending in April	Board of Public Works	Engineer- ing depart- ment		Building depart- ment	Total	Funds at disposal of Board and accounted for
1890 1891 1892 1893 1894 1896 1896 1896 1897 1898 1899 1990	\$ 6,658 73 11,597 75 10,947 76 9,274 23 24,583 13 9,857 67 9,868 51 13,452 36 12,142 56 8,683 13 13 217 31	\$ 71.863 36 70,957 86 56,354 03 57,858 11 49,495 91 43,059 70 42,125 06 45,753 24 49,524 05 58,722 08	\$ 83,392 28 95,316 44 86,409 76 80,507 38 67,746 25 79,219 15 81,529 69 66,701 77 78,661 48 81,382 89 79,784 96	\$ 17,368 37 12,728 71 7,871 47 7,382 31 6,551 32 5,799 57 6,921 45 6,810 00 6,850 61 8,458 89 8,963 94	\$ 179,282 74 198,595 76 161,583 02 155,022 03 148,376 61 137,936 00 145,894 94 129,080 19 142,807 89 151,049 02 160,688 29	268,417 95 228,882 93 177,000 74 181,499 61 148,848 17 146,887 29 132,594 11 148,503 26 155,429 19
Totals	\$133,283 19	\$593,288 70	\$883,052 05	\$ 95,701 64	\$1,705,325 58	\$2,008,160 56

PUBLIC IMPROVEMENTS.

Table "A" gives in detail the total amount of public work constructed through the Engineering Department, and the total expenses of that department since the organization of the Board of Public Works.

Table "A."

Expenses Engl- ne-ring Dept.	# 71,848 80 26,854 08 57,858 11 46,466 79 47,575 80 42,125 90 45,784 96 46,784 06 58,722 08	£ 502 989 TO
Total Amount of Work	\$ 808.889 88 573.1.06 70 488.134 15 810.189 76 607.681 00 827.681 00 827.681 00 607.018 01 1.005.890 88	78 080 041,88
Planting Trees	8 17,849 90	1 00 100 000 to 200 00 00 100 000 100 000 000 000 000 0
Miscel- laneous Public Work	\$ 6.282 12 2.215 14 1.885 98 407 99 2.001 79 8.582 70 8.682 22 4.064 47 16.281 05	8 41 505 St
Sprinkl'g and Cleaning	8 20 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 OF TOP OF
Sewers O. K. Creek	888.811 64 80.628 12 41.888 17	# 015 388 OA
Sewers Public	1,785 20 12,601 50 8,410 10 1,734 49 1,734 49 1,734 19 1,734 19 1,730 19 1,730 19 1,730 19	8 09.16H NO
Sewers District	1140,657 27 18,730 30 19,856 89 81,859 41 4,611 118,326 89 118,736 15 46,477 82 67,711 02	1755.977 SR
Bridges and Viaducts	8 37,266 00 6,218 57 8,576 00 15,800 00	8 82 TTG 250 8 TS 455,509 57 8 TS 452 TS 18
Sidewalk Repairs	80,888 57 8,721 4.8 8,721 4.8 14,216 05 10,613 87 10,744 90 117,896 04 117,896 86 117,896 86	8137, 220, 27
Sidewa'ks First- Class	92,070 47 92,094 88 92,094 88 92,098 88 28,088 98 4,054 99 4,054 99 89,385 15 108,086 18	\$740,796 22.8
Sidewa'ks S Plank	88,714 an 18,531 an 18,583 set 8,513 ses 8,513 ses 8,589 th 1,781 74 4,130 set 62,587 as	1173,617 49
Paving Streets and Alleys	775,702 84 144,118 46 208,072 64 208,772 21 208,170 21 208,100 84 208,100 84 208,100 84 208,100 84 208,100 84 208,100 84 208,110 44 208,110 44	88 ST.088.8
Curbing	73,412,44 20,271,49 27,100,40 28,004,00 26,008,00 15,008,00 60,840,70 81,849,70 81,008,73 117,028,73	8 69 29C 903
Grading Streets and All ys	11,000,731 71 8 16,707 70 10 11,000 30 11,000 70 11,000 70 11,000 70 11,000 10 11,000 10 11,000 10 11,000 10 11,000 10 11,000 10 11,000 10 11,000 10 11,000 10	"Ofal., \$482.859 to \$100.300.305 to \$4,800.T.
Fiscal Year Endi'g April	1800 1801 1802 1803 1804 1806 1806 1806 1800 1800 1800	Total

The mileage and cost of each kind of pavement constructed during fiscal year ending April 16, 1900, is as follows:

Materials	No. of Con- tracts	Lines1 Feet	Miles	Square Yds	Cost	Average Cost per Sq. Yd.	No of Bills
Asphalt -Trinidad Lake	45	69,696.25	13 20	252,508.00 \$	515,660.01	\$2.04	3,009
Bituminous Rock	15	20,017.00		68,391.00	129,384.91	2.04	956
Brick Macadam	6	25,001,00 8,580,00	4.785 1.62	83,385,00 36,945.14	125,088.64 58,094.63	1,50	1,225 245
Totals	94	123,594.25	23,40	436,224,14 \$	828,228.19		

The work completed during the fiscal year through the Engineering Department cost \$1,391,476.95, and the expenses of the Department for all purposes were \$58,722.08.

The paving and re-paving of streets cost \$828,228.19, and of alleys, \$22,489.26, a total of \$850,717.45.

The following tables show the mileage and cost of all street paving work constructed from 1889 to 1899, inclusive, and kinds of material used:

Commencing January 1, 1889, and ending May 9, 1889.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd.
Asphelt	2,570.00 1,027.00	0.486 _194	7.645.63 4,098.70	\$21,407 76 2,746 13	\$2 80 67
Totals	8,597.00	0.68	11,744.88	\$24 153 89	

Commencing May 9, 1889, and Ending April 30, 1890.

Material Used.	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd.
Asphilt Cedar Blocks Granite Blocks Brick	11,209,80 36,674,97 1,173,00 3,525,00	2.12 7.135 .22 .67	42,293.97 146,722.14 5,079.57 18,256.72	\$117,806,96 208,607,08 16,527,42 27,056,86	\$2.80 1.42 3.25 2.04
Total	52,582,27	10.145	207,852.40	369,997.82	

Commencing April 30, 1890, and Ending April 20, 1891.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd
Asphalt Cedar Blocks Macadam Stone Blocks	4,307 00 14,901,70 546,00 2,655 80	.90 2.82 .10 .50	15,631,40 50,394,60 2,765,00 7,915,80	\$48,890.92 71,160.78 1,161.80 28,074 89	\$2,765 1,412 42 2,915
Totals	22,410.50	4.24	76,706.80	\$144,287.80	

During Fiscal Year Commencing April 20, 1891, and Ending April 18, 1892.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd
Asphalt Brick Macadam Stone Biocks Cedar Blocks	15,126,60 6,682,50 8,825,80 774,30 1,334,20	2.86 1.27 1.67 .14 .26	57,110,89 24,079,80 84,258,50 3,064,70 4,572,90	\$144,298,71 40,390,62 32,839,91 7,859,91 6,767,89	\$2.526 1.677 .958 2.573 1.48
Totals	32,742.80	6,20	128,071.79	\$232,157.04	

During Fiscal Year Ending April 17, 1893.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd
A*phalt	12,894.15 9,584,95 14,643.06	2,85 1,80 2,77	48,163,80 34,829 30 50,207,70	\$124,117.04 57,557.74 87,510.46	82.576 1.649 .747
Totals	36,572.16	6.92	183,200.80	8219,185.24	

During Fiscal Year Ending April 16, 1894.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd \$2,585 .864 1,647 .63	
Aspiralt Nacadam Brick Stone Blocs repairs	29,096,10 18,958,15 32,116,10 2,250 00	5,51 3,59 6,08 ,42	90,443,50 74,001,60 118,962.60 9,937,50	\$257,089.35 68,945,47 196,184,95 6,295.88		
Totals	82,420.35	15.61	802,815.20	\$522,485.05		

10 ANNUAL REPORT OF THE BOARD OF PUBLIC WORKS.

During Fiscal Year Ending April 15, 1895.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd	
Asphalt	27,221.70 6,837,00 13,131.40 329,50 2,068,15	5.16 1.29 2.49 .06 .39	118.460,26 21,772.00 45,977.80 1,238.80 8,481,60	\$308,754.62 19,587.02 61,914.79 3,077.84 9,689,98	\$2.64 ,869 1.846 2.47 1.05	
Totals	49,588.85	9.39	195,980,46	\$403,024 20		

During Fiscal Year Ending April 20, 1896.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd	
Asphalt—Trinidad Lake Brick Macadam Stone Blocks Cedar Blocks	34,717,75 10,157,70 12,268,99 1,487,70 600,50	6.57 1.92 2.82 .28 .11	129,612,78 35,486,40 55,739,20 6,885,00 1,762,00	\$329,791 36 48,719 25 49,814 42 9,635 83 1,973 44	\$ 2.544 1,307 ,894 1,40 1 12	
Totals	59,232.64	11.21	229,485,38	\$439,934 30		

During Fiscal Year Ending April 19, 1897.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd.	
Asphalt	44,420,30 23,123,60 24,126,50	8.41 4.38 4.57	156,056,80 82,452,50 121,842,60	\$340,498 60 117,224 40 78,960 04	1.421	
Totals	91,670,40	17.86	360,851,90	\$586,683 04		

During Fiscal Year Ending April 18, 1898.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd	
Asphalt—Trinidad Lake Asphalt—American Bituminous Rock Brick	18,672,20 10,019,10 24,995,43 14,806,10	2,60 1,90 4,73 2,80	43,492,10 83,447,90 84,880,50 55,892,00	\$91,895,70 70,248,96 117,824,10 58,000,82	\$ 2.113 2.10 1.397 1.047	
Totals	63,492.83	12.03	216,662.50	\$337,969.64	1.041	

During Fiscal Year Ending April 18, 1898. (Annexed Territory.)

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd	
Asphalt	39,238,47 160,370,00	7,48 80,87	127,767,80 588,794.40	\$262,593,74	\$ 2,085	
Totals	199,608.47	37.80	716,561.70			

During Fiscal Year Ending April 17, 189 .

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd
Asphalt—Trinidad Lake Asphalt—American Bitumin- ous Rock Brick Stone Blocks (Repairs)	\$4,390.38 24,212.00 23.062,70 1,040.00	10,3 4.59 4.87 .19	204,987,20 75,865,50 76,196,80 6,780,80	\$434,961.25 158,267,45 112,580,68 6 934,25	\$ 2,12 2,10 1,48 1,022
Totals	102,705,08	19,45	363,279,80	\$712,600 58	

The aggregate mileage of paved streets is as follows:

Material Used	cal Feet	Lineal Ft Taken up and Rpr d	Lineal Feet Constructed to Date	Miles
Asphalt	172,554_11 279,952,00 15,091,00	4,300 264,120 4,251	Asphalt409,017.64 Brick	77.47 III 86 2.24 3.00 86.00
Totals			796,065,75	150.57

With the close of the fiscal year, the public work under con-

tract as	Hounteer to dozol	Service .	O MID YOULO	** 55*			
Paving	Asphalt, Brick Streets, Brick alleys,	7	contracts	approximate	eost.	\$ 105,904.48 50,718.88 3,807.59	
	Stone Blocks. Reconstructing.	"i	**		ii.	25,566,08	
Curbing.	Nat stone,	16		.04.1	85		#235,386.93 19,833.85
	Nat. stone	16		**		\$ 4,050,50 15,435,45	
Sidewalk	Brick Plank	26	**	**	**	784.28 4,560.84	
			Av	**			\$25,211.85
Grading	Streets,	20 8	14		**	\$ 32,815.28 1,393.59	
-		- 5			12		\$34,208.82 78,200.88
Sewers, Planting	Trees,	85	16.	84	43		13,085.67

Certificates of special taxes against City property, for improvements, were issued to the amount of \$20,881 83 during the fiscal year.

Special tax bills were issued, to the number of \$1,978. Objections to them were filed in but 15 cases.

LIGHTING STREETS.

At the close of the fiscal year there were 2, 88 gas lights, 1,418 gasoline lights and 231 electric lights in service, an increase of 101 gas lamps and 4 electric lights, and a decrease of 44 gasoline lamps during the year.

The city paid \$12.00 each for gas lights (moonlight schedule), \$110.00 each for electric (arc) lights (all night schedule), and \$17.00 each for gasoline lights (moonlight schedule), and the total cost of street lighting for the year was as follows:

Kansas City-Missouri Gas Co	\$24.663 53
F. K. Hoover, gasoline lights	24.544 00
Kansas City Electric Light Co	25,206 64
Total	\$74,414 17
Cost Street Lighting Fiscal Year, 1893	\$68,929 10
*Cost Street Lighting Fiscal Year, 1894	58,428,01
*Cost Street Lighting Fiscal Year, 1895	64,574 83
Cost Street Lighting Fiscal Year, 1896.	59,077 77
Cost Street Lighting Fiscal Year, 1897	63,920 97
Cost Street Lighting Fiscal Year, 1898	

WATER WORKS.

The city has received during the year revenue from the water works to the amount of \$397,237.83, and with the balance of \$177,710.41 from last year, makes \$574,948.24 to be accounted for.

The total operating expenses of the department, including the extension of mains, betterment of plant and expenses of the office of Assessor and Collector of Water Rates, were \$449,022.57. This also includes the eighth and ninth semi-annual payment of interest on the \$3,100,000.00 of water works bonds amounting to \$137,992.50; the appropriations for extension of mains and betterment of plant amounted to \$161,702.89 and a balance of \$125,925.67 remains in the hands of the City Treasurer.

THE TOTAL RECEIPTS AND DISBURSEMENTS OF WATER WORKS DEPARTMENT FOR THE FISCAL YEAR 1899, WENE AS FOLLOWS:

RECEIPTS.

N to State			
Water Kates		\$138.210.35	
Meter Mates		227 650 65	
Building Permits Special Permits Deposits		7,171 75	
Special Permits		2,512 09	
Deposits		4,400 35	
Corporation Cocks		2,417 00	
Meters Set		2,316 00	
Meters Repaired		2,560 80	
Meters Sold		557 00	
Fines		38 00	
Miscellaneous		3,062 72	
Comptroller's Receipts		840 31	
Total Gross Receipts		\$401,746 02	
Less Water Rates Rebated Less Deposits Returned	\$2.085.69		
Net Receipts Balance with City Treasurer from 18			
Balance with City Treasurer from 18	98	177,710 41	\$574,948 24
DISBURSE	MENTS.		
Superintendent and Engineer's Office			
Street Department		14.841 38	
Inspection Department		14,258.61	
Meter Department Betterment of Plant		8,019 81	
Betterment of Plant		38,538 08	
Turkey Creek Pumping Station Quindaro Pumping Station		40,876 60	
Quindaro Pumping Station		34,804 60	
Miscellaneous Expenses Assessor and Collector's Office		5,713 20	
Assessor and Collector's Office		12.732 40	
Interest on Bonds		137,992 50	
Appropriations			
Barn		4,946 71	
Construction to be repaid		5,012 88	
Total Disbursements			8449,022 57
Total Disbursements. Balance with City Treasurer to 1900			125,925 67

Reports of the City Engineer, Superintendent of Streets, Superintendent of Buildings and Superintendent of Water Works Department accompany this report.

THE BOARD OF PUBLIC WORKS,

GEO. S. GRAHAM, President.
GEO. P. HARDESTY,
M. V. WATSON,
B. T. WHIPPLE,

Memberz.

\$574,948 24

April 16, 1900.

SECRETARY'S REPORT.

STATEMENT OF BOARD OF PUBLIC WORKS FUND

For the Fiscal Year Ending April 16, 1900.

Appropriations from last fiscal year 1899 \$16 Appropriations from last fiscal year Transferred from expense fund	2,657 1,500	00 36 00		
-		_	64,157	6
CONTRA.				
Amount transferred to General Fund \$ Amount transferred to Expense Fund	3,455			
Total	3,463	72	\$3,463	72 \$160,693 64
EXPENSES	· .			
BOARD OF PUBLIC V	WORKS			
Pay Rolls, Members and Clerks \$ Miscellaneous Expenses	6,505 4,741			
Total		\$	11,247	33
ENGINEERING DEPA	RTME	VT.		
Pay Rolls for Department\$ Pay Rolls for Horse Hire	54,820 1,337			
tion Plats Miscellaneous Expenses	1,531 1,032			
Total		\$	58,722	08
STREETS AND ALLEYS D	EPART	ME	NT.	
Pay Rolls for Department \$\ Pay Rolls for Horse Hire and Keep Miscellaneous Expenses	359	00		
Total		5	79,784	96
Buildings Depar	TMENT			
Pay Rolls for Department \$\sime\\$ Miscellaneous Expenses	8.883	24		
Total		\$	8,964	04
Appropriatio	NS.			
Expended under Appropriation \$	1,969 9	8.5	1,969	98
Balance unexpended and forward to fiscal yer, 1900				\$160,688 29 5 35
Total Accounted for				\$160,693 64

Fiscal Year 1899. Board of Public Works Department, Disbursements.

fatoT stromorndald	8 8.883 86 10.575 39 10.587 38 10.587 38 10.587 38 10.581 10 10.581 10 10.58	\$ 160,688 30
Kapended under Appropriation and Condem-	878 60 878 60 818 50 818 50	\$ 1,969 98
Total Responses	8 8.000 10.017 80 11.00 11.00 11.00 11.00 11.00 10.00	8 696,1 8 11 817,861 8
Buildings	# 257 257 257 257 257 257 257 257 257 257	88,968 04
Streets and Alleys inominations	\$ 5,000 10 11,180 00 8,003 90 9,803 10 6,326 00 6,573 68 6,573 68 4,676 12 4,676 12 4,676 12 4,678 18 8,001 78 8,001 78 8,001 78 8,001 78	8 29,254 96
Magineering in-miraqed	2,000,00 5,403,80 5,403,80 5,800,90 5,800,80 5,801,50 5,801,801,80 5,801,801,80 5,801,801,80 5,801,801,80 5,801,80 5,801,80 5,801,80 5,801,80 5,801,80 5,801,80 5,801,80 5,801,80 5,801,80 5,801,80 5,801,80 5,801,80 5,801,80 5,801	4,247 m 8 56,722 08 8
Hoard of Public Works	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	\$ -4,287 BB
Month 1800	April 17-30 May June June June August September October Ortober Anuary, 1900 February	Totals

Fiscal Year 1899, Board of Public Works, Disbursements.

slanT	# 12	8 11,247 W
МізееПвпеоц	52	11 11 11
Sewer		and st
Curbing		# 17 ft
masts stellod	8.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	92 ET.18
Haring.	3 16 28 1.640 as 16 28 2 40 as 24	51 SER 10
Special Special		8 9 75
eoffice sailgqu8	2 8 8 8 2 7	# RET 11
Par	10 10 10 10 10 10 10 10 10 10 10 10 10 1	\$ 0,000.00
Nonth 1500.	April 17-20 May May Hare Haly August Socioember November November Agangy, 1800 Agangy March Agangy	Totals

Fiscal Year 1899, Engineering Department. Disbursements.

sigioT	\$ 2006 09 5 2006 09 5 200 05 5	\$ 58 722 (8
Miscellaneou	6 22 22 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25	62.836
Ourbing Feser	8186	\$186 99
Supplies	88 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87	\$ 12 82
Testing	9	\$ 1.25
Stake and Field Supplie	# # # # # # # # # # # # # # # # # # #	SS 88 84
Prints	8 8 8 8 9 9 9 9 8 8 8 8 8 8 8 8 8 8 8 8	S 38 25
stontisdA	\$150 do 199 80 110 80 110 80 110 80 110 80 110 110	15
Horse	\$8888888888888888888888888888888888888	\$1,286 08 \$1.058
Shoa	* 1,8 % 04. 5,250 04. 5,550 94. 5,571 90. 5,571 90. 5,281 70. 5,287 70. 8,287 70. 8,287 90. 8,245 10. 8,247 90.	\$ 54,820 82
Month 1806	April 17-80. May. July. July. August. September October November January, 1000. March. March.	Totals

Fiscal year 1899, Streets and Alleys Department, Disbursements.

Totals	\$ 6,008 19 31,189 09 \$6,000 10 \$6,000 10	\$ 80,781.06
Brooms and Sweepers	* SEE SEE SEE SEE SEE SEE SEE SEE SEE SE	\$2,110 SE
Miscellancous	* 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	\$1,002.76 \$5,400 SS
Sewer Pipe	28 28 28 28 28 28 28 28 28 28 28 28 28 2	81,162.76
Rock and band	# 12	\$1,750 cd
rampet.	8 817 02 284 07 566 71 105 94 111 14	\$1,504 00 \$2.056 no
Repairs	を表現の を表しの を。 を を を を を を を を を を を を を	91,001 00
Horses and	# # # # # # # # # # # # # # # # # # #	
Pay	6.057 14 8.023 90 7.023 90 6.003 90 6.003 40 8.003 40 8.003 40 8.003 40 8.003 90 8.003 90 80 80 80 80 80 80 80 80 80 80 80 80 80	# 60,517 10 \$ 882 00
Month 1860	April 17-30 May	Totals

Fiscal Year 1899. Buildings Department.

Disbursements.

Month 1809	Pay Rolls	Office	Repairs	Furniture	Totals
April 17-80	\$ 353 46 775 33 776 23 776 23 770 63 760 03 776 23 776 23 765 43 628 63 743 82 359 36			5 50	\$ 358 46 776 28 776 28 776 78 776 78 774 98 776 28 776 28 765 48 628 68 592 68 743 82 359 36
Totals,	\$ 8,883 24	\$ 1 30	\$,50	\$ 79 00	\$ 8,954 04

Fiscal Year 1899, Board of Public Works, Disbursements.

SinnT	20 20 20 20 20 20 20 20 20 20 20 20 20 2	\$ 11,247 88
Miscellaneou	537	\$ 118 75
Sewer.	167	\$ 291 81
Saldrad	2 2	\$ 17 61
mesta stelloH	\$ 8 20 1,700 00	\$1,708.20
Patraf	\$ 16 28 191 94 1.040 33 5 000	\$1,858 55
Special	2	\$ 0.75
Office	8 88 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$ 827 11
Pay	* * * * * * * * * * * * * * * * * * *	\$ 6,505 56
Month 1800.	April 17-30 May June July August September October November January, 1800 March March	Totals

Fiscal Year 1899. Engineering Department, Disbursements.

sintoT	\$ 2000 00 5,000 00 5,000 50 5,000 50 5,000 50 5,000 50 5,000 50 5,000 60 5,000 60 60 60 60 60 60 60 60 60 60 60 60 60 6	8 18 729 08
Miscellancous	8 8785 8 8 7 78 2 3	SIS 75
Subfant) Freest	W 1818	\$186 90
solfique solfqque	8 92 5 8"	33 %
Testing	ila ili ili ili ili ili ili ili ili ili	\$ 1.25
Stake and Field Supplies	# 255 255 255 255 255 255 255 255 255 25	18 18 SE
Bine	8 8 85 998 a a son orom	15 15 15 15
atsantadA.	# # # # # # # # # # # # # # # # # # #	
Horse	#881131313131313131313131313131313131313	\$1,286 08 \$1,658 54
Pay	\$ 1,8 30 64 0,130 00 5,550 00 5,570 00 5,570 10 5,570 10 6,571 00 8,472 10 8,472 10	\$ 54,830 KL
Month 1890	April 17-30 May Jany Jany August August September Navember January, 1000 January, 1000 Marek	Totals

Fiscal year 1899, Streets and Alleys Department, Disbursements.

Totals	\$ 5,008 11. 8,668 80 8,668 90 6,826 90 1,008 18 4,076 14 1,008 18 4,01 18 1,200 18 1,20	\$ 80,784 00
Brooms and Sweepers	\$ 882 88 88 88 88 88 88 88 88 88 88 88 88	52,140 83
Miscellaneous	88 5 28 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	\$5,400 85
Sewer Pipe	\$ 180 43 20 55 105 90 205 73 20 54 43 54 786 32 9 75	\$1,162.76
Rock and	**************************************	\$1,752 00
Lumber	\$ 827 58 881 07 881 07 195 94 141 14	\$2,095 39
Palagoli	82824288888888888888888888888888888888	\$1,504 00
Horses and qseA	**************************************	\$ 882 00
Pay	\$ 5.557 14 \$ 5.557 14 \$ 5.923 90 \$ 5.707 18 \$ 5.707 18 \$ 5.708 49 \$ 5.708 44 \$ 5.708 44	\$ 65,547 10
Month	April 17-50 May July August August September October January 1900 March March April 1-15.	Totals

Fiscal Year 1899. Buildings Department. Disbursements.

Month 1809	Pay Rolls	Office	Repairs	Furniture	Totals
April 17-50	775 38 776 28	.40	**********	\$ 73.50 5.50	\$ 858 46 776 28 776 28 776 78 776 78 774 18 776 28 776 28 776 28 776 28 776 28 776 28 776 28 743 82 829 62 840 36
Totals	8 8,883 24	\$ 1 30	\$,50	\$ 79 00	8 8,904 04

Statement of Special Appropriations. For the Fiscal Year 1899.

Appropriat'us Amount Amount Balance Balances Espended Back Unexpended	th and 11th streets \$ 82.35	\$ 2,600 (2 \$ 2,757 6) \$ 27 38 \$ 5 45	\$2,600.42	Unexpended balances over to fiscal year 1800 \$5.35
Contracts	1938 To construct sewer in alley bt Wyandotte and Central, 10th and 11th streets 22001 Tepair cottage at City Workhouse. 19158 pay E. H. Robbins salary for February. 1899 1917 open and establish Charlotte street, 32nd to 34th street 19201 construct sewer along 30th street. Montgall to Prospect 19201 popen and establish distribution of yieldist street. Montgall to Prospect 19201 pan and establish alley between Woodland and Michigan, 38th to 30th. 19302 pay Western Foundary Company for castings.		Total appropriations to be accounted for \$2,600 42	Unexpended balances over to fiscal year 1900

Receipts of Water Department.

Classified Table of Receipts of Water Department from the time (September 1, 1895) the City took possession.

44	4000	0-101	50
	Deposited with City Treasurer	\$66,255 10 367,146 14 427,145 21 (10,570 22 367,287 SE	\$1,8,9,295.2
	Rebates and Deposits Returned	# 25 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	\$17,501.35
	Interest and Miscel- lancous	4 868 07 1.619 67 2.168 03 5.117 64 8.0 H	\$10,018 02
	Miscellan- eons	\$500.231 79 4 508 07 25.001 50 1.019 07 37.029 06 2.198 03 3,002 72 83.0 H	80 002.0 8.18 62 105.118 59 105.018 05 001,1118 00 105.18 00 000,111.18 00 001,1118 0000000000
	Fines	# 121 0 581 0 108 0 168 0 28 0	81,512 00
	Neters	81,131 00 8,327 56 8,427 56 1,146 50 2,316 00	811,825 50
	Meter Repairs	84,122 th 8 548 ats 81,201 72 8 571 178 15 6,5703 so 1,5012 so 1,007 38 1,109 16 8,510 2,501 38 1,501	\$7,410 67
	Neters Set	41,206 72 1,607 88 22,002 88 1,509 88 1,509 80	87,410 93
	Corpora- tion Coeks	8 548 45 1,042 90 1,898 60 1 668 66 2,417 00	\$7,570 05
	Deposits	96,422 65 5,708 NI 8,800 25 2,957 00 4,400 35	8 22,840 06
	Special Deposits Corpora- tion Goeks	\$1,148 R2 1,465 10 2,009 60 1,1128 94 2,512 09	8 8,29H 09
diam'r.	Building Permits I	\$2,574 65 \$1,168 82 4,269 63 4,381 76 2,000 66 5,410 02 1,128 94 7,717 76 2,512 09	\$28,675 S1
The same and the s	Muter	#119,001 GO 1115,781 GO 194,128 F1 216,435 WI 287,689 GO	11,055,916 80
	Water	\$ 06.06 11 182,001 GB 188,411 GB 142,804 GB 178,210 GB	1618,407, 19
	Fleen Year Ending	April 20, 1886	Totals \$618,407 19

Expenditures of Water Department.

Classif.ed Table of Expenditures of Water Department from the time (September 1, 1895) the City took possession.

Totals	Excess E	\$1,830,500 to
	Formerly Included in Street Departs. Ment. #1,600 E2 81,545 21 4,566 71 5,012 88	\$6,528 09
Вати	Formerly in Stree m R,590 E	89.587.88
Appropri- sibins to Extend Mains, etc	#11,427 11 81,408 32 61,408 31 71,499 4-1	\$300,607.91
Sinking	8-16,000 00 26,000 00 60,000 00 137,122 62	\$ 807,122 65
Turkey Guind'ro Miscel and Col- Rebates Interest Sinking Pumping Pumping Pumping Station Exp'nses Rates Refunds On B.nd Fund Station Exp'nses Rates Rates	\$ 69,736 00 139,500 01 128,847 30 138,196 00 187,1962 30	\$ 524,955 00
Rebates and Refunds	8 18 18 18 18 18 18 18 18 18 18 18 18 18	\$13.1 57
Assessor and Col- lector of Water Rates	\$ 6.84° 69 11.397 11 11.500 40 11.198 80 12,732 40	\$52,916 49
Misrel- lancous Exp'nses	2002 2002 2002 2003 2003 2003 2003 2003	\$29,002 TI
Quind'ro Pumping Sartion	\$15,564 00 12,023 27 25,045 00 25,044 00 35,044 00	\$128,416 CB
Turkey Greek Pumping Station	\$21,749 79 81,887 80 81,880 81 81,280 84 40,878 69	\$172,513 98
Better- ment of Plant	\$4,014 64 4,026 42 81,065 50 8 819 82 88,568 C8	\$81,191,55
Meter Depart- ment	8 8,042 III 18,136 TH 18,788 ST 11,088 ST 8,010 II	\$10,000 82
Street Inspec. Meter Better. Depart-tion De. Depart-ment of Plant	\$ 6,481 Fit 8,811 40 10,415 82 11,929 70 11,928 61	\$72,639 05
Street Depart- ment	# 8.435 FB 19.857 EB 14.958 7B 11.517 EB 11.811 EB	\$62,830.28
Superin- tendent and kn- gineer's Office	#1.00% 12.00% 17.00% 17.00% 17.00% 18.00%	417,000 PA
Fiscal Venr Ending	April 20, 1850 \$1,105 on \$8,105 in \$6,201 fol \$8, \$6,201 fol \$8, \$7,01 10, 1907 \$9,915 jr 17,857 in \$6,201 fol \$1,87 in \$1,100 fol \$1,100	TOTALS \$17,000 IN \$002,500 TO \$502,000 WE \$502,000 TO \$102,100 TO \$102,100 TO \$120,100 TO \$20,000 TO \$20,000 TO \$502,000 TO \$502,000 TO \$500,000

Fiscal Year 1899, Department of Water Works, Receipts Classified.

Deposited With Oity Teasurer	2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	\$300,307.52
Deposits	28 24 20 20 20 20 20 20 20 20 20 20 20 20 20	\$2,422 50
Water Rates Behaled	### ### ### ### ### ### ### ### #### ####	\$2,085 60
Comptrol ler's Collections	######################################	\$840 31
Miscellaneous	* 1141 1441 1441 1441 1441 1441 1441 144	\$3,062 72
Fines	88688688 8 8 eminima	138 00
Meters	25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5	\$2,816 00
Meters	255 255 255 255 255 255 255 255 255 255	\$2,560 80
Meters	87228858585868 84558688688888	\$557 00
Corporation Coeks	8168 802 203 20 802 203 20 803 203 20 803 203 20 803 203 20 804 20 805 20 806 20 80 806 20 80 806 20 806 20 806 20 806 20 806 20 806 20 806 20	\$2,417 00
Deposits	\$101 00 835 85 835 85 836 85 86 86 86 86 86 86 86 86 86 86 86 86 86	\$4,400 35
Special Special	28 28 28 28 28 28 28 28 28 28 28 28 28 2	\$2,512 00
Building Permits	\$ 288 35 616 42 732 68 1,386 63 1,076 63 346 50 103 21 68 10 120 35 319 35	\$7,171,75
Meter	2,251 08 12,251 08 18,71 18 18,71 18 18,71 18 18,71 18 19,71 19 19,71 19 19 19 19 19 19 19 19 19 19 19 19 19	\$237,659 65
Water satas	2 905 51 1,130 00 1,240 08 11,371 01 1,254 98 11,814 98 11,814 98 11,614 30 1,1614 24 8,500 49 8,500 49 8,500 40 1,216 68	\$138,210 35 \$237
Month 1800	April, 17-30 May May June June July August September October November December Jannary. 1900 February March April, 1-10	Totals

Fiscal Year 1899. Department of Water Works, Expenses Classified.

Interest on Bonds	\$ 40,0007.30 04,865.00	\$137,90250
Construction of to be Hepsid	252822828282828 2528288282828 2528288282828	\$5,012 88
плед	2000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	84,946 71
Appropriations	8.6.973 cs. 11.978 cs.	8123,161 SI
Reputes and	8 60 H 17 60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$ 118 85
Assessor and Collector's office	8 441 8 88 88 8 88 88 1015 87 1111 88 81 1111 88 81 108 97 108 97 108 97 108 97 108 97 108 97 108 97 108 98 108 br>108 98 108 98 10	\$12,732 40
Miscellaneous Expenses -	を	\$ 5,547 OH
orabaino gaiqana notiais	1,450 1,450	124.804 60
Tarkey Creek Fumping Sulton	\$ 1,301 00 \$ 0,01 00 \$ 7,72 11 \$ 7,72 11 \$ 2,007 10 \$ 2,007 10 \$ 3,01 1	\$10,876.60
Betterment of	1,007 T	\$08,528 08
Department	\$ 255 00 255 25 255 25 255 25 257 25 25 25 25 25 25 25 25 25 25 25 25 25 2	\$ 8,019 S1
Inspection	\$ 420 18 1,100 70 1,200 08 1,200 08 1,200 00 1,200 00 1,100 00 1,110 00 1,110 00 1,111 91 1,110 00 1,111 91 1,110 00	\$14,228 61.
Street	\$ 443 72 1,005 12 1,005 12 1,006 44 1,006 44 1,006 74 1,000 74 1,0	814,841.28
Superintendent and Engloser's Office	**************************************	\$ S,120 10
Month 1800	April 17-39 May May May May Mily Mily Mily Seritember Seritember December December December Mareh Mareh April 1-36	Totale \$ 8,220 10

APPROPRIATIONS For Extension of Water Mains and Improvements.

Ordinance	Location of Main or Improvements	Appropriations and Balances	Amount Ex- pended	Amount Charged Back	Balane Unex- pende
0	and the same of th				
7740	Pumping Engine at Turkey Creek Sta	\$2,438 62	\$2,438 62		(Citeme)
8244	Water Tube Botlers for " " "	210 83	defent on	\$ 210 83	
9718	Main on 2nd, Main to Walnut	485 78	109 85	375 88	*****
9787	" Bultimore, 39th to Westport Repair Engine at Turkey Creek	588 74	588 74	*********	
0055	Repair Engine at Turkey Creek	2,268 35	2,268 85	********	******
0123	Main on Gove, 6th to 8th "Westport, Main to Wyandotte	452 00 448 29	452 (0	448 29	******
15	" 6th, Grove to Highland	540 00	540 00		*****
1176	" Michigan, Howard ave to 26th	647 82	335 55	371 77	*******
1059	To reimburse for water leakage	25. 85	25 85		
	Main on Grove, 12th to north of 11th.	332 88	141 75	191 13	spense .
15:21	" Grove, 13th to 14th " Monroe, Independ to Stewart	362 00	87 00	275 00	· · · · · · · · · · · · · · · · · · ·
601	" Genesee, 8th to 9th	618 16 219 90	147 36 137 40	443.80 82.50	*******
808	" Genesee, 8th to 9th	290 00	290 00		*******
915	" Montgall, 12th to 14th	440 00	440.00	*********	
804	" Smart, Askew to Monroe	200 30	200 30		V.
054	" Thompson, Indiana to Askew	863 85	883 85	1	*******
802	Harrison, ista to inth	250 00		250 00	1111 a
801 014	" Harrison, 21st to 24th	402 25 504 97	504 97	402 25	******
090	" 11th, Santa Fe to 115 ft west	280 00	185 75	144 25	********
458	Repair Quindaro Reservoir	791 16		791 16	*******
191	Main on olive, 28th to 30th	1,021 68	1.021 68	*******	****
064	" Askew, 12th to 15th	816 40	520 80	295 60	2515.44 h
220	" Tracy ave, 33rd to 34th	650 00	650 00	100.10	
281	" Forest, 83rd to 34th	640 00	449 60 435 85	190 40 194 15	
280 112	" Wabasa, 26th to 29th	1,405 00	1,405 00	154 19	
153	" 31st, Prospect to Chestnut	870 00	781 70	138 30	
326	Drink ng fountain on Woodland near 38	75 00	47 61	27 39	-146.
190	Water Trough on St Louis, near Gene.	72 46	19 69	52 77	
	Main on Kansas, 21st to R R crossing.	1,260 00	811 45	448 55	*******
$493 \\ 492$		1.180 (0 58) 00	851 10 414 20	328 90 175 80	-
331	" Tracy, 17th to 18th " Euclid, 15th to 19th	1,930 00	1,841 50	588 50	
1130	" Garfield, 15th to 18th	N77 85	567 00	310 85	****
299	Rapair slopes Holly st Reservoir	8,185 59	8.185 59		212224
596	Main on Benton, Independence to 12th "Indiana, Norladge to Gladstone	2,650 00	1,837 05	812 95	125,455.0
505	Thomason Asker to Mango	530 00	339 50	100 50	
594 594	" Thom; son, Askew to Monroe "Anderson, Indiana to Ask w Legil services, R. T. Railey case, Cobb	555 00 940 00	393 83 615 20	324 85	PERMIT
590	Legal services, R. T. Railey case, Cobb	1910 00	010 20	924 90	20 1103
3400	vs K. C	200 00	200 00	126 95	
	Main on Wabish, 30th to 31st	680 00	558 05	*********	
718	Park, 26th to 31st	3.000 00	2,096 95	9/8 05	1949 ILA
715	" Windsor, Bales to Monroe " Campbell, 24th to 25th	2,340.00	632 15	307 85	
821 714	Gladstone, Walrond to Monroe	2,400 00	1,589 60	1.694 05 810 40	******
819	" 22nd, Vine to Highland	350 00	240 00	109 40	** *****
021	" 12th, Cleveland to Jackson	2,245 00	1.726 40	518 60	******
1-8	" Euclid, 29th to 30th	572 62	433 40	139 22	******
851	" Troost, Independence to Pacific	550 00	363 45	186 55	*****
020	" Lockridge, Prospect to Benton Relate on I. Weinberg water license.	900 00	631 85	268 15	4241.5421
	Main on Chestnut, 25th to 27th	1,500 00	1,206 55	298 45	*******
098	" Ind Riv Inda ave to 6th	570 00	418 05	151 95	****
097	" 1ith, Benton to College	310 00	212 25	97. 75	1500000
255	Tency, 29th to 30th	1.030 00	878 42	171 58	*******
254	" Charlotte, 23rd to Howard	1,910 00	1,304 (0	606 00	*****
245		4,490 00	3,541 96	918 04	-
257 244	" Charlott-, 34th to 35th	750 00 860 00	612 05	107 95	
2252	" 23rd, Chestnut to Kansas	100 00	587 00 210 50	278 00 80 50	*** ****
2258	" 23rd, Chestnut to Kansas " Both, Main to Warwick	760.00	493 20	266 80	*******
2248		1,920 00	1,455 25	464 75	********

APPROPRIATIONS.—Continued, For Extension of Water Mains and Improvements.

9	Constitute of Major on Constitution of	Appropri-	Amount	Amount	Balanc
Ords	Location of Main or Improvement	Balances	pended	Charged Back	pende
		-	1		
	Main on Central, 37th to 38th	\$ 710 00	\$ 486.55	993 45	Titling.
2387	Monroe, 12th to 14th	880 00	662 25	217 73	****
2548	situ, Summit to helieview	925 40	9:25 40		SPENIAL ST
300	AND THE THE WELL DO OUTER,	1,110 00	735 20	374 80	
	Senerson, each to manover	1,310 00	1,085 82	274 68	49 -1-11
2245	CONTRACTOR OFFICE DAY DOUBLE TALL ALLE	1.335 00	903 60	426 40	2121434
35)		1.710 0.1	1,363 90	406 10 58 90	
3120	" Archibald, Central to Baltimore " 88th, Woodland to Euclid	205 00 8,5 00	146 10 515 05	309 95	anierie:
2961	" Central, 17th to 19th	900 60	464 55	485.45	AMP DO
20:27	" 29th, Prospect to Benton	960 00	650 70	249 30	400.00
1000	To pay sellers & Maronis Roofing Co.	30.07	30 07	100000000	10401101
2000	To pay Sellers & Marquis Roofing Co To pay Geo, H. Michaelis Main on Victor, Prospect to Benton	8 32	8 32		*******
5913	Main on Victor, Prospect to Benton	900 00	684 90	217 10	(*******
Dirt.	" 30th, 12th & Bell sts to Turkey	200	4.00		Sall - 11
	Creek Station	39,470 00	38,447 00	1.023 00	******
31.58	" Zast, Campbell to Harrison	400 00	290 20	109 80	42A44 112
2015	Charlotte, 35th to 36th	550 00	454 85	95 15	
3525		1,310 00	1.138 00	202 00	*** 1174
9520	Missouri ave, Woodl'd to Maple	350.00	290.85	80 15	
740	fo const uct retaining wall Holly st res	5.184 48	5,284 48		
XX	Main on Central, 36 h to point 290' south	3:5 00	188 68	36 32	
581ā	" 22nd, from Charlotte to Camp.	400 00	292 10	107 90	Vist - St
2916	" Tracy, 25th to 28th	8,500 00	2,509 90	990 10	
22.1	" Hales, 14th to 15 h	500 00	416.55	88 45	771 1717
2077	" Chestnut, 23rd to 25th	1,570 00	1 234 95	3.45 05	ATETITIO
SUD!	Refund to G. L. Brown, broken pip	4 06	4.06		*****
1108	Main on Spruce, Indp ave to Garner Ducham. Agnes to Indiana Cottage, Vine to Woodland	1,170.00	938 00	232 00	43.143.131
1306	Dunham. Agnes to Indiana	1,455 52	1.455 52	4-447 RAS	4240-20
1762	" Cottage, Vine to Woodland	640 00	389 25	20 75	dain- he
1760		470 00	888 25	91 75	****
3348		1.3/0 00	1.113 35	246 (5	
2349	" Garner, Bales to Monroe	770.00	011 10	128 10	1010)-00
55,22	May, 7th to 9th	1.655 00	1,860 45	294 55	****
M-10	" 40th, West Prospect to Mercer	700.00	624 80	75 70	GARLIER
2321	Elmwood, Independence to 9th	2,245 00	1,960.60	284 40	SALE - LE
THEFT	Main, 23rd to 24th	540 00	431.80	108 20	100- 10
LINE I	" Forest, 31st to 32nd	7110.00	615.90	81 21	471
2351	St John, Elmwood to Denver.,	2,240 00	1,928 00	302 (0	311111111
	Refund to W. G. Liggitt, bursted main	31 08	31 08	-10111111	2411 F
1178	ie, e, incheiman, buis cumain	7 01	7 91	Latt Drefe	****
2805	Main on College, 20th to 23rd	1,280 00	I.182 15	97 85	11.111 11
	MCCONTROLL DO 105 BORTU	2,799 00	2,790 00 2,754 14	****	8 322 8
189H 1881	10th Indiana to Walroad	3,110 (0	221 60	589 00	
1877 1877	ista, indiana to wairond	2.050 00	1.831 17	218 83	NEWSTERN ST
1188		L246 00	1.246 00		111 -
1679	Police meddy of Chief to the contract	1,070 00	765.00	205 00	101-1-1-
1978	THE RESERVE ASSESSMENT AND ADDRESS OF THE PARTY OF THE PA	4,100 00	2,961 70	mild and	1,126 3
882	and the state of the driver	590 00	387 00	253 00	And Live
1631	" Wabash, 21st to 23rd	925 00	201 50	743.50	14.41-11
083	Madison, 17th to 21st	2,540 00	1,702 20	837 50	*****
050		950 00	524 60	426 00	*****
1087	" Locust, 26th to 175' N of 26th	201 00	291 00	1 144 4 4	
1061	" Central, end of Pipe to La Salle	801 10		1 100000	
1770	To pay C.A. Brockett Cement Co	277 61	272 61	13147 1511	
1087	Main on Jackson, Indp to Smart	2,875 00	1,895 00	509 00	44-11
		30 00	30 60	- marine	
150	Main on Mortle 15th to 18th	1,320 00	1.1/2 00	108 00	
154	" Holly, 42nd to 43rd	666 00	618 00	47 60	K 200 - 11
1156	" 43rd, Westport to Holly	740 00	574.49	165 55	411
1155	Sentitude to a contract of the	1,250 0)	1.051 00	190 00	E 111 01
157	" Denver, St John to Harris	1 250 m	1.025-00	225 (8)	
1267	Paid to C. D. Parker, acct overcharge	14 10	Ti 100	and the	Inheren I
1279	Main on Kensington, Indp to Smart	1.610 00	1.210 00	120 00	
127g	" Montgall, 25th to 27th	1.695 00	965 (8)	130 00	172771
1277	" Brighton, St John to Harris	1.450.00	\$80.09	270 00	
-				-	

This Report was compiled by Harry B. Walker, appointed Secretary of the Board of Public Works, December 14, 1900, and is respectfully submitted by him.

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Amount	88.88.89.89.80.40.40.80.80.80.80.80.80.80.80.80.80.80.80.80	\$ 1,391,476 96
Miles No. of Bills	23,0 5,435 2,137 5,000 29,16 7,20 29,16 7,20 29,50 2,457 3,45 6,84 10,7 9,409 10,7 9,409 10,7 9,409 10,7 9,409 10,7 9,409 10,7 9,409 10,104 10	81,978
Miles	8 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	*********
Lineal	128,569,25 8,000,00 139,800,00 139,800,00 139,800,00 139,800,00 13,850,00 19,851,00 19,851,00 19,851,00	
Square	13,407.10 13,407.10 188.27.78.81 198.77.78.81 110.475.01 110.475.01 110.475.01 110.475.01 110.475.01 110.475.01 110.475.01	
Square	184.02.10 13.467.10 110.465.08 116.475.01 11.501.30	-
Cuble	806,770,80 11,501,30	
No, of Con- tracts	######################################	289
Nature of Work	Paving Streets Paving Alleys Natural Stone Curbing Artificial Stone, combined Curb and Gutter. Artificial Stone Sidewalks Natural Stone Brick Plank Repairs, Hrst class Sidewalks and Curbing Repairs, Alleys Grading Streets Planting Trees (6650). Planting Trees (6650). Miscellaneous work, paid for by voucher.	Totals

Recapitulation of Public Work Under Contract at Close of Fiscal Year Ending April 16, 1900.

Amount	\$ 186.901 41 50,707 50 50,707 50 50,807 50 50,	\$ 398,996 70
Miles		Constant
Lineal	21,076,78 9,684,48 1,457,80 26,594,48 8,177,65 1,467,60 1,467,60 17,412,59 25,000,00	Spiritary and
Square	SB, 461.12 19,915.00 8,889.15	Course of sections of the Course of the Cour
Square	5.003.90 80.485.30 2.828.00 5.00.81.19 80.401.19 80.401.19 80.80.00 80.80.10	**********
Ouble Yards	88,185,38 18,180,54 110,547,10 5,883,90	marine, in
No, of Con- tracts	81-48-822-488-4	166
Nature of Work	Paving Streets, Asphalt Alleys, Grading Streets Alleys Artificial Stone Sidewalks Rick Plank Plank Plank Plank Rouse Rou	Totals

ANNUAL REPORT

OF THE

CITY ENGINEER

FOR

FISCAL YEAR ENDING APRIL 16, 1900.

To the Honorable, the Board of Public Works:

Gentlemen:—I have the honor to submit herewith report, in tabulated form, of the operations of the Department of Engineering for the fiscal year ending April 16, 1900, wherein is set forth in detail the nature of all public work done during the year, and also of all work under contract and incomplete at this date.

Respectfully submitted,
HENRY A. WISE,
City Engineer.

Recapitulation of Street Paving Constructed During Fiscal Year Ending April 16, 1900.

Material Used.	No. of Con- tracts	Lineal Feet	Miles	Square Yards	Cost	Average Cost Per Sq Yard	No. of Bills
Trinidad Lake Asphait	45	69,696,25	13.20	252,503.00	\$515,660 01	82.04	3,009
Rock Apshalt Vitrified Brick Macadam	15 28 6	20,317.00 25,001,00 8,580.00	8.817 4.785 1.62	63,391,00 83,385,00 36,945,14	129,384 91 125,088 64 58,094 63	2,04 1,50 1,57	1,225 245
	91	128,594 25	23.40	136,224.14	8828,228 19		5,43

Statement of Streets Paved to April 16, 1900.

Material Used.	Total Lineal Feet Constructed	Line Feet Taken Up and Repayed	Lineal Feet Constructed to Date	Miles
Asphalt Vitrified Brick Stone or Granite Blocks Cedar Blocks Macadam	172,554.11	4,300 *4,251 264,120 39,321	409,017.84 168,254.11 11,829.00 15.8 (2.00 190,123.00	77.47 31.86 2.24 3.00 36.0)
*Reconstructed and Repayed.			795.155.75	150.27

Statement of Alleys Paved to April 16, 1900.

Material Card.	Total Lineal Feet Constructed	Lineal Feet Taken Up	Lineal Feet Constructed to Date	Miles
Asphalt Vitrified Brick Stone Blocks Cedar Blocks Macadam	293,00 28,548,34 3,753,20 2,011,00 1,699,00	286 00 973,30 436,00	291,00 28,588,34 8,467,20 1,037,70 1,260,00	.85 5.40 .66 .19
			134,596,24	6.50

Statement of Streets Paved During Fiscal Year Ending April 16, 1900, Trinidad Lake Asphalt.

					Foundation	ation			Drive		
Street	From	To	Former Pavement	Inches	Inches Bituminous Concrete	Inches Hyd, Cem. Concrete	Lineal	Souare	Square Yard	Total Cost	No. of Tax Bills
st.	w line Baltimore ave w line K. C. Belt Ry. Bridge line Lexington ave line Balletonatine ave line Buelid ave line Twenty-first st line Thirteenth st line Thirteenth st line Eighth st line Forever ave line Gadstone lived line Forever ave line Answord ave line Answord ave line Answord ave line Missouri ave line Independence ave line Mashington st line Nashington st line Kighteenth st line Kighteenth st	w line c	None None None None None None None Cedar blks None None None Cedar blks	ASSESSED ASSESSED ASSESSED ASSESSED AS	***************************************	Macadam Macadam	2008.00 1557.00 1557.00 1558.00 1559.0	6,973.20 9,921.20 9,921.20 9,921.20 9,921.20 9,921.20 9,922.20 9,9	안물건의면원건의면원건경열인물건경열인물건경열로 등학문인관업업원건공 전달 이 느리 확인하여 가하여 이 이 하하여 하이 이 이 이 이 하여 이 이 이 이 이 이 이 이	### 1995 1995	华景中国经安华等西方经济是有"经过是中西共和国公司的经济基础。
Tenth st.	e line Bellefontuine ave	a line Bales ave	None	115	100	4	1,361.00	4,131.00	22	8,764 08	

Statement of Streets Paved During Fiscal Year Ending April 16, 1900-Continued. Trinidad Lake Asphalt.

				-	Foundation	thou			Priest		No. of
Street	From	To	Former Pavement	Inches	Inches Bituminous Conerete	frehes Hyd. Cem. Conerete	Lineal	Square	Square	Total Cost	THE
Indiana ave Norledge Place Norledge Place e line Walrand Fifth at winter Froost a Fifth at e line Grand a Fifth at e line Twenty- Thritich at e line Harrison Twenty-fourth 81 s Noulevard Charlotte 81 s Ine Thirty-f Charlotte 81 s line Thirty- Charlotte 81 s line Thirty-f Charlotte 81 s line Thirty-f	Norledge Piace o lite Walrand ave w lite Troost ave i lite Grand ave i lite Grand ave i lite Harrison st. st. w Boulevard st. w Boulevard st. lite Thirty-fourth st. st. lite Thirty-third st.	line St. John ave. If for feet east of Indiana ave. Inc Lydia ave. Inc Lydia ave. Inc Thirty list st. Value Troost ave. Falrmont ave. Inc Thirty-sixth st. Inc Twenty-seventh st.	None Mrs. None None None None None None None None	**************************************	***********	*********	1,005.00 448.00 1,000.00 1,257.00 1,255.00 2,614.40 817.00	3,020,10 1,146,10 9,347,80 3,080,20 7,005,80 2,500,10 2,200,10	512211121122 612111121112122 612111111111	# # # # # # # # # # # # # # # # # # #	日日出版出ってお客日
	45 Contracts.	13.20 Mües.					69,696,25	552,508.00		5715,060 01	3000

American Bituminous Rock Asphalt.

No. of Tax Bills	通常生和年辛素和共享的生 草在	909
al Cost	20 00 00 00 00 00 00 00 00 00 00 00 00 0	16 180'6018
Price per quare Yard	***************************************	8120
T Var	(A)	•
Square	10,100,10 1,811,10 8,906,10 8,906,10 1,008,10 1,681,20 1,	63,391 00
Lineal	2,551.00 1,540.00 1,540.00 1,540.00 1,540.00 1,540.00 1,540.00 1,540.00 1,540.00 1,540.00 1,540.00 1,540.00 1,540.00 1,540.00	90.317.00
Foundation	91 11 1 1 1 1 1 1 1 1 1 1 2 2 3 3	15 Contracts, a.S.; Miles.
Found	odenceseasese	15 Contracts
Inches	100111011110100000000000000000000000000	
Former	None None None None Cedar blk None None None None None None None	
To	In Howard ave Prospectave where Ord st. where Smart ave where Smart ave has her brospectave has her Extegion ave has Exterior ave	
From	the Eighteenth St. Inc Walush ave. Inc Garfield ave. Inc Independence ave Inc Olive at Inc Thompson St. Inc Independence blvd. Inc Independence blvd. Inc Olive at Inc Pircenth St. Inc Fireauth St. Inc Fireauth St. Inc Fireauth St. Inc Bettoon blvd.	
Street	Kinas avo. Kinas avo. Kinas avo. Kinas avo. Kinas avo. Twenty three avo. Self-fontaine avo. Self-fontaine avo. Kighth at.	

Vitrified Brick Paving.

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Cost per Sq.Yd. Total Cost	81 1007 8 1,1887 4 1,1887 4 1,1887 4 1,1887 8 1,188 8	\$125,088 64 1225
Cost per Sq. Yd.	#01#15#16#16#16#16#16#16#16#16#16#16#16#16#16#	
Square	1,296 00 1,2	83,385 00
Lineal	1,754 00 1,754 00 1,754 00 1,754 00 1,750 00 1,180 00 1,1	25,001 00
and Con- cehes Inches	**********	
Foun Sand Inches	01 21 01 21 01 01 21 01 21 01 22 01 21 01 21 21 21 21 21 21 21 21 21 21 21 21 21	
Spaces between brick	Historian contraction of the con	
Space	ğ.::::::::::::::::::::::::::::::::::::	
Former	None Cedar Bik None None None None None None None None	
HQ.	N line Twelfth st. Sline Bixth st. N line Sixthenth st. N line Sixthenth st. N line Bighth st. N line Twenty-douth st. N line Independence ave. N line Independence ave. N line Independence ave. N line Milwaukee av. N line Jydia av. Ellne Liberty st. Seventh st. N line Lydia av. Ellne Eighth st. N line Fighth st. N line Prospect av. Sline Nine Twelth st.	28 Contracts, 4 735-1000 miles
From	Vine st. Lydia av. Lydia av. Central st. Sine Fifth st. Campbell st. Sine Fourteenth st. Anderson st. Harrison st. Fine Independence av. Bine Fourteenth st. Sine Fwenty-third st. Euclid av. Nashington st. Sine Swenty st. Sine Swenty st. Sine Swenty st. Noodland av. Noodland av. Nink st. Twenty-second st. Eine Hodependence av. Sine Swenty st. Nink st. Nink st. Nink st. Sine Belview av. Sine Bevorkyn av. Sine Belview av. Twenty-second st. Sine Bevorkyn av. Sine Belview av. Twenty-second st. Sine Woodland av. Sine Roberts st. Sine Swenteenth st. Sine Swenteenth st. Sine Moodland av. Sine Fifth st. Sine Roberts st. Sine Swenteenth st. Sine Fifth st. Sine Swenteenth st. Sine Fifth st. Sine Swenteenth st. Sine Fifth st.	
Street	Vine st. Lydia ay Lydia ay Central st. Nashington st. Ommpbell st. Hariton st. Hariton st. Troost av Sanar av Sanar av Washington st. Twenty-second st. Twenty-third st. Hariton st. Twenty-third st. Bellytew av Twenty-third st. Hariton st. Troost av Genese st. Twenty-second st Genese st.	

Statement of Streets Paved With Macadam During the Fiscal Year Ending April 16, 1900.

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	-	nd.	
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Statement of Alleys Paved During Fiscal Year Ending April 16, 1900. Vitrified Brick.

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7		\$ 415 26 542 87 668 95 537 79 1,111 60	88 128	,053	808	909	188	1975 1985 1985 1985 1985 1985 1985 1985 198	1,047	956	\$21,638 08
Price per				+			7	H &H			124
Price per	b	11.82% 11.73 1.65 1.75 1.75	56 9-10 C8		50			30	20		3
rice	Yal	1.18% 1.18% 1.18% 1.18%	1.68	1.65	1.75%	1.70	12.83	12238	1.61%	I.69	1000
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Square	Yards	313.40 313.80 421.90 455.30 635.30	385.00	988.70	167.00	355.90	732 80 186 10	232 80 708.40 459 90 621.50	640.00	284 60	99.99
o.	×	82488	88.5	633	95	250	5125	왕당숙점종:	5 5	88	13,065,60
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		Coak st and Locust st Eighth st. Locust st and Joy st withe Hickory st. Locust st and Cherry st. Fruit st. Eighteenth st and 19th st. Hickory st. Welth st and 13th st.	Charlotte st and Camp sine 29 hst. Wyandotte st and Cen- traist. sine 12th st.	Son St	10 Io	Twentieth st and Keser-	Wyandocte st and Cen- s line lith st. Oak st and Locust st. whitter Place Tenth st and lith st. w line Wyandocte stelling N & S alley	Tracy ave and Lydia ave sine 23rd st. Lousts fa and Cherry st. sine 13th st. Grand ave and Medee at sine 15th st. Medee st and Oak st. sine 15th st. Medees tand Oak st.	Disvoints at and Camp sine lith st.	Sy	
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Statement of Alleys Paved During Fiscal Year Ending April 16, 1900.—Continued. Trinidad Lake Asphalt.

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	Price per Square Vand	101,50 + \$2 12 \$851.18	
i	Lineal Square Square Total Cost of Feet Yards Yard	05.101	-
,	Lineal Feet	383.00	
	Thick- ness Founda- Inches tion	112 in Bit Cone. I in Concrete	or Miles
-	Thick ness	11.8	
	ţ	, , , , , , , , , , , , , , , , , , ,	1 Contract.
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•	From	Seventh st	
	Between	Garfield as A. Euchd as, Seventh St Eighth St 112 112 III Concrete	

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Statement of Natural Stone Curbing Constructed During Fiscal Year Ending April 16, 1900,

10	Number	本年 医李星性起激器与自身的不足是不足是自己的是一种不足。
structed	Amount	# 128
Total Constructed	Lineal	1,788.30 3,000.50 3,0
	Amount	26.20
itract.	Price S	ब बूप्या हुन संस्थान सम्मूर्त कर्म स्थान सम्मूर्त सम्मूर्त सम्मूर्ण सम्मूर्ण सम्मूर्ण सम्मूर्ण सम्मूर्ण सम्मूर्
ublic Cor	Lineal	1448.70 979.30 979.30 15.00.30
Constructed by Public Contract	Amount	2 2 1 1 1 2 2 2 2 2 1 1 1 2 2 2 2 2 2 2
Constru	rice Price Price Per Ft.	# 80 50 50 F 80 80 80 80 80 80 80 80 80 80 80 80 80
100	Lineal Feet	188.1 111.1 1.88.1 1.881.7 1.047.9
by	Amount	850 00 00 150 00 150 00 150 00 150 00 150 00 150 15
Constructed by Private Contract	Price per Foot	8 8 8 68 21 8 88 8
Cons	Lineal	150.00 1,000.00 1,974.00 1,180.00 80.00 80.00 300.00 315.00
мојц	Inches T	का जी का का का की की की की की की की को को का का का को की की की की को की
	T2	Askew ave Ord st. Minnie ave Twentlept st. Thirty-first st. Nineteenth st. Thirty-first st. Thirty-first st. Thirty-first st. The prospect ave Prospect ave Twelfth st. The prospect ave Twelfth st. The prospect ave Howard ave Howard ave Twently-sixth st. Twelfth st. Twently-sixth st. Thirty-first st. Thirty-first st. Thirty-first st. Thirty-first st. Thirty-first st. Twentleth st. Thirty-first st.
	From	Indiana ave Garfield ave Laxington ave Nixtheenth st. Seventeenth st. Twenty-sixth st friteenth st. Thirty-third st. Fifth st.
	Side	Both
	Street	Anderson ave. Blus ave. Harrison st. Harrison st. Twenty-third st. Twenty-third st. Troost ave. Harrison st. Thoreast ave. Harrison st. Thoreast ave. Bellefontaine ave. Troost ave. Nordaland ave. Nordaland ave. Woodland ave. Seventeenth st. Twenty-second st. Belleview ave. Seventeenth st. Twenty-second st. Belleview ave. Seventeenth st. Twenty-second st. Baleview ave. Shark ave. Shark ave. Baleview ave. Elma ave. Charlotte st. Park ave. Charlotte st. Elma ave. Elma ave.

Statement of Natural Stone Curbing Constructed During Fiscal Year Ending April 16, 1900-Continued.

10	Number	まませるまでは、12を20年には12を20年には20mmを12を20年に20mmに対して12mmに対しに対して12mmに対しに12mmに対対に12mmに対しに12mmに対対に12mmに対対に12mmに対対に12mmに対対に12mmに対対に12mmに対対に12mmに対対に12mmに対対に12mmに	81/2/6
structed	Amount	# 11.00 # 1	8 70,479 85
Total Constructed	Lineal	2,412.00 2,882.77 2,748.77 2,748.77 2,748.77 2,862.77 2,862.77 2,862.74 2,8	149,034,88 \$ 70,479 85
1	Amount	4 1.007 4 1	8 64,054 67
tract	Poot s	भुवैदिवेद स्थित अधिवेदि वित्र वित्र स्थान सम्बद्धि व स्थान स्यान स्थान स्यान स्थान स्यान स्थान स्यान स्थान स	
'ablie Cor	Lineal	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	129,002,87
Constructed by Public Contract		2 3 1 1 2 2 2 2 2 1 1 1 2 1 2 1 2 1 2 1	\$ 1,112.24
Constru	Price Pt.	97 88 98 98 98 98 98 98 98 98 98 98 98 98	
0 000	Lineal Feet	253.00 124.00 1154.00 217.00 200.00 200.00	9,566,16
Constructed by Private Contract	Amount	# 10 801 25 25 25 25 25 25 25 25 25 25 25 25 25	12,312 91
Constructed by	Price per Foot	5 8 8844 4 4	
Const	Lineal	1201.00 200.00 150.00 120.00 120.00 560.00 560.00	10,766.00
hick	Inches T		
	To	Prospectave Thirty-fith st. Monroe st. Troug seventh st. Troog seventh st. Ninteenth st. Monroe sve. Campbell st. Monroe sve. Thirty-first st. Thirty-first st. Thirty-first st. Lydia ave. Smrt ave. Lydia ave. Cyclestave. Lydia ave. Lydia ave. Lydia ave. Lydia ave. Lydia ave. Lydia ave. Cyclestave. Lydia ave. Lyd	28.4 Miles.
From		Brooklyn ave Woodland ave Woodland ave Eales ave Bales ave Bales ave Holmes st. Twenty-inith st. Twenty-inith st. Twenty-inith st. Twenty-inith st. Twenty-inith st. Charlotte st. Charlotte st. Charlotte st. Nineteenth st. Nineteenth st. Twenty-inith st. Charlotte st. Campbell st. Twenty-inith st. Campbell st. Thirteefth st. Campbell st. Thirteefth st. Thirteefth st. Thirty-offth st. Garnd ave Charlotte st. Garnd ave Garnd ave Garnd ave Garnd ave Highl nd ave Garner ave Highl nd ave	68 Contracts,
	Side	Both Both	
Street		Twenty-sixth st. Thirty-first st. Flora ave. Roberts st. Chestruit ave. Twenty-second st. Compbell st. College ave. Tracy ave. Tracy ave. Tracy ave. Garner ave. Compbell st. Nineteenth st. Ilarrison st. Vannibell st. Nineteenth st. Ilarrison st. Frenst st. Campbell st. Campbell st. Nineteenth st. Ilarrison st. Frenst ave. Fifth st. Cypress ave. Fifth st.	Totals i

Artificial Stone Combined Curb and Gutter Constructed During Fiscal Year Ending April 16, 1900.

Total Constructed	H xeT	Lineal Amount of Feet 25	9, 808, 45 \$6,707 65 100 2,066,15 3,062 82 64 1,202,15 1,202,15 100 1,202,1
	ıtter	Amt.	28, 100 kg st. 100 kg
Jontraet	Curb and Gutter	Price per Foot	
Constructed by Public Contract	Cur	Lineal Feet	6.85 (\$.8.899) \$ 1
ucted by		Amt.	# 75 # 82 40 57.1 28 00 57.1 28 10 66 152 87 582 58
Constr	Curb	Price per Foot	1,292,61 571, 728 00 2,387,56 57 1,382 10 224,42 65 152 87 1,485,85 541, 782 58
		Lineal	43.2 11,262.61 2,337.56 234.42 234.42
	Ê		Thirty-first st 43.2 \$ 7.5 \$ 2.40 Bales av Cleveland av Cleveland av 1.202.61 57.2 7250 00 Twenty-fourth st 2.357.56 55 1.332 10 Fortieth st 2.357.56 55 1.332 10 Fortieth st 224.42 .65 15.3 75 St John av 224.42 .65 15.3 77 St John av 220 ft east Cladstone Blvd 1.455.85 551.2 772 53
	From		I wenty-fourth st. Bellefontaine av. Bellefontaine av. Holmes st. Fifteenth st. Fifteenth st. Thirty-ninth st. Thirty-sixth st. Independence av. Fighth st. Fighth st. Washington st. Norledge Place.
	Side		Both Kast Both
	Street		Benton blvd Independ av. Independ av. Thirty-sixth st. Benton blvd Thompson av. Medire st. Benton blvd. Independ blvd. Independ blvd. Independ blvd. Adline Place. Walrond av.

Artificial Stone Sidewalks Constructed During Fiscal Year Ending April 16, 1900.

1	No of Bull	□ 日本
died.	Amount	######################################
Total Constructed	Square	1,200,000 6,170,
Tota	Lineal	25,500 25
Contract	Amount	25 1 25 25 25 25 25 25 25 25 25 25 25 25 25
Private	Per Sqr.	244 H A A A A A A A A A
	Ser aut.	\$5,400.00 \$90,00 \$90,00 \$1,720,00 \$4,600.00 \$4
Public Contract [Constructed by	Lineal	1,004,75 257,00 190,00 190,00 1,100,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00
Contrast	Amount	# 150 March 1
abilie i	Price per Sqr. Foot	मृत्यम् वर्षावर्षात्रम् वर्षावर्षात्रम् वर्षात्रम् वर्षात्रम्
		1,500,00 828,00 828,00 82,601,00 82,601,00 82,601,00 82,602,00 82,
Constructed by	Lineal	\$21.00 1.256.00 2.575
	Width	
	Speeifi-	blottnatio
	To	Highland ave Westport ave Safo feet west. Thirty-line is a Minhigan ave Thirty-line is a Minhigan ave Thirty-line is a Minhigan ave Thirty-line is a Minhiga ave Bales ave Safortieth at Thirty-line is a Minnie at Minnie at Seventeenth at Minnie at Seventeenth at Minnie at Monroe ave Safortieth at Monroe ave Safortieth at Monroe ave Central at Amarica ave Grandman ave Monroe ave Monroe ave Monroe ave Monroe ave Monroe ave Brooklyn ave Baltimore ave Brooklyn ave
	From	Vine st. Thirty-ainth st. Gighth st. Highland av. Highland av. Thirty-sixth st. Thirty-sixth st. Thirty-sixth st. Thirty-ninth st. Fourteenth st. Fourteenth st. Fourteenth st. Fourteenth st. Fourteenth st. Indian av. W I Garfield produced Broadway Independence av. Twenty-seventh st. Twenty-seventh st. Twenty-seventh st. Independence av. Twenty-seventh st. Twenty-seventh st. Twenty-seventh st. Twenty-seventh st. Twenty-seventh st. Twenty-seventh st. Twenty-sighth st. Fifteenth st. Fifteenth st. Twenty-sighth st.
	side	North Both South South Both Both South South Both South South South Both South Both Both Both Both Both Both Both Bo
	Street	Pourteenth st. Baltmore av. Chariotte at. Chariotte at. Thirteenth at. Emb at. Carried av. Tracy av. Indiana av. I

Artificial Stone Sidewalks Constructed During Fiscal Year Ending April 16, 1900, - Continued.

sili	H lo oN	第四日日の日本日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日
reted	Amount	1,186 11,186 11,186 18 18 18 18 18 18 18 18 18 18 18 18 18
Total Constructed	Square	19.875.77 5.610.37 5.610.37 5.610.37 5.610.37 5.610.37 5.610.37 5.610.39 5.
Tota	Lineal	2,116.00 1,248.71 1,746.42 10.11.00 10.10.00 10.
Jontraet.	Amount	25 25 26 26 26 26 26 26 26 26 26 26 26 26 26
ivate (Price per sq ft	* * * * * * * * * * * * * * * * * * *
ed by Pr	Square	1,290,00 1,290,00 1,200,00 1,000,00 1,000,00 1,250,00 1,2
Constructed by Private Contract,	Lineal	200,000 200,000 100,000 1,200,000
Jontract	Amount	1,168 8 1,1168 8 1,1168 8 1,1168 8 1,1168 8 1,1168 8 1,1169 8 1,169 8 1,
blie C	Price per Foot	विवादित्रविवादित्यविव
Constructed by Public Contract	Square	11.675.77 7.482.21 7.482.21 8.700.23 8.700.21 1.181.25 1.181.26 1.
Construc	Lineal	1,846,09 1,355,535 1,155,5
	Feet	あのためののののでは可ななののでは、 のまなるののでのなるのでは「まないないのの。
	Specific	Grantfold
	To	Holmes st. Indiana ave Forty-second st. Forty-second st. Forty-second st. Forty-second st. Indiana st. Indiana ave Lydia ave Olive st. Indiana ave Indiana ave Thirty-first st.
	From	Main st. Walrondave Thirteensh st. Fortich st. Park ave. Proost ave. Woodland ave. Woodland ave. Walrond ave. Thirtich st. Park ave. Point 452 ff. in of Thirty-first st. Thirtich st. Point 452 ff. in of Thirty-first st. Point 452 ff. in of Thirty-first st. Thirtich st. Point 452 ff. in of Thirty-first st. Thirtich st. Oak st. Minth st. Cherry st. Thirty-first st. Cherry st. Thirty-first st. Gand ave. Gand ave. Euclid ave. Euclid ave. Euclid ave. Belledintein ave. Wablash ave. Cherry st. Tonh st.
	Side	South Both Both Bast Both Bast Both Bast Both Both North South East West West West West West West West We
	Street	Thirty-first st Smart ave Brookin ave Warwick Blyd Fourteenth si, Fourteenth si, Fourteenth si, Nontial ave Fifteenth st. Montgall ave Fourteenth st. Twenty-third st. Fourteenth st. Holmes st. Benton Rivd Holmes st. Benton Rivd Holmes st. Benton Rivd Holmes st. Benton Rivd Michigan ave Holmes st. Rightan ave Askew ave Askew ave Askew ave Righth st. Fenth st. Ferth st.

Artificial Stone Sidewalks Constructed During Fiscal Year Ending April 16, 1900. - Continued.

all	No. of Hi	に	2457
ieted	Square Amount	2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	\$18,564.91 189,890.06 \$52,778.81 \$168,988.78 2457
Total Constructed	Square	4,107.70 10,558.00 1,628.00 1,628.00 1,628.00 1,628.00 1,628.00 10,580.00 10,680.00 10	872,778.81
Tota	Lineal	685.00 1,700.00 14,710 14,710 14,710 14,710 1,680.00 1,68	139,930,06
Contract	Amount	228 00 228 00 1566 00 146 40 106 00	18,554 91
vate	Price per Square food	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
Constructed by Private Contract	Square	4,800.00 19 1,200.00 19 5,400.00 29 1,488.00 30 1,890.00 16	96,302.75
Construç	Lineal	200.00 200.00 200.00 200.00 200.00 110.00	16,608,60
cutract	Amount	4 778 92 1,005 92 1,005 93 1,0	\$150,44387
blie C	Price per Square foot	***************************************	
Constructed by Public Contract	Square	4,107.70 5,128.40 6,128.40 6,128.40 11,977.81 11,977.81 12,880.90 12,880.90 12,880.90 12,880.90 12,880.90 12,880.90 12,880.90 12,880.90 12,880.90 12,880.90 12,880.90 14,880.90	156,476.06
Construc	Lineal	655.00 1,000,00 1,000	123,221.35
10	Width-Fe		
suc	Specificati	OHex. —Granitold —	
	ğ.	Seventeenth st. St. John ave Reberts st. Thirty-fifth st. Nineteenth st. Nineteenth st. Olive st. Twenty-fourth st. Twenty-fourth st. Thirty-fifth st. Thirty-fifth st. Campbell st. Campbell st. Renton blvd.	
	From	Sixteenth st. Pendicton ave. Sa. John ave. Hunter ave. Eighteenth st. Raciid ave. Sevanteenth st. Benton hyd. Twentich st. Thirteenth st. Thirteenth st. Charlotte st. Charlotte st. Glad-tone ave. Woodland ave.	20.50 Miles.
	Side	Both " " " " " " " " " " " " " " " " " " "	
	Street	Locust st. Park ave. Balles ave. Ballmore ave. Holmes st. Thyrecenth st. Relieview ave. Renth st. Benton hyd. Benton hyd. Gamp st. Tenth st.	on Contracts.

Natural Stone Sidewalks Constructed During Fiscal Year Ending April 16, 1900.

10	Number	825085108508 -0000550855 -10281 0555	282
	Amount		\$28,428 85
Total Constructed	Square		140,855.03
Tot	Lineal	285.00 1,608.00 1,608.00 1,608.00 1,608.00 1,444.00 1,444.00 2,509	21,639,17
Contract	Amount	8 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	\$ 4,879 24
ivate	Cost per Square Foot	298 A 8 89 AL A A ASSA A 88A	
Constructed by Private Contract	Square	\$50.00 1,230.00 402.00 600.00 1,650.00 570.00 2,500.00 2,500.00 2,500.00 1,542.00 1,542.00 1,500.00 1,500.00 1,500.00 1,500.00 1,600.00 1,600.00 1,600.00	20,107.00
Construc	Lineal	99.00 255.00 67.10 1155.00 175.00 257	8,288.50
ontract	Amount	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$ 24,059 11
blie C	Cost per Square Foot	ล้าสัตร์สัตร์สัตร์สัตร์สัตร์สัตร์สัตร์สัตร์	
Constructed by Public Contract	Square	4.179.00 4.775.00 4.775.00 4.775.00 4.775.00 1.56.20 1.66.20	120,748,08
Construe	Lineal	696.50 103.00	21,355,67
196	од-чартм	2	
	To	Twenty-second st. Twenty-furth st. Thirtieth st. Thirtieth st. Thirtieth st. Thirtieth st. Pasco. Holmes st. Thirtieth st. Twenty-fifth st. Twenty-fifth st. Twenty-fifth st. Twenty-fifth st. Wandotte st. Wyandotte st. Wyandotte st. Wyandotte st. Wyandotte st. Wyandotte st. Wyandotte st. Twenty-sixth st. Forest ave. Garfield ave. Garfield ave. Trenth st. Forest ave. Tenth st. Forest ave. Tenth st. Forest ave. Witter Park. S. W Bonlevard. I line lot 13 block 7 Winter Park. S. W Bonlevard. I line lot 14 block D. Winter Park. S. W Bonlevard. S. W Bonlevard. S. W Bonlevard. Frespectave. Frespectave.	als
	From	Twenty the st. Twenty second st. Twenty second st. Twenty first st. Twenty first st. Forest ave. Cherry st. Twenty st. Trenth st. Trenth st. Tenth st. Twenty st. Twenty st. Summit st. Independence ave. Twenty-dirst st. Olive st.	4,06 Miles. Total
	Side	West East Noest West Both South South North North North North North North South Both Bast East East East South Both Both Bath Bath Bath Bath Bath Bath Bath Ba	
	Street	Holmes st. Holmes st. Holmes st. Holmes st. Main st. W. Prospect Place Eleventh st. Eleventh st. Eleventh st. Eleventh st. Eleventh st. Holly st. Holly st. Holly st. Holly st. Holly st. Holly st. Grenth st. Eleventh st. Holly st. Holly st. Christis st. Holly st. Holly st. Holly st. Christis st. Holly st.	M Contracts.

	No. of Bill	・おけが音至するとはなっないとはなったのはなったいがな − は やなでない。	589
ted	Amount	1,000.1 1,000.1 1,000.1 1,000.0 1,000.	\$15,718,72
Total Constructed	Square	11,4881,00 11,4881,00 11,4881,00 11,4881,00 12,481,00 12,481,00 13,481,00 13,881,00 13	176,475.61
Tota	Lineal	2 481,15 1 812,10 2 701,10 2 701,10 2 701,10 2 701,10 1 11,00 1 11,0	28.811.83
Contract	Amount	2 8 242	\$ 2,096 20
ivate	her square Cost	S 5 2818 2 8888 99 5 5	
Constructed by Private Contract	Square	3,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00	25,760.00
Construc	Lineal	136.00 260.00 260.00 260.00 260.00 120.00 260.00 114.60 260.00 260.00 260.00 260.00 260.00 260.00	4,060,00
ontract	Amount	を表する。 12 日本の 12 日本の 13 日本の 14 日本の 15 日本	813,617 52
hite C	Per Square	250 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Constructed by Public Contract	Square	1,198,00 1,498,10 1,410,38 1,4	190,715,61
Construe	Lineal	2,488.18 1,582.70 2,485.19 25.00 25.00 25.00 1,785.90 1,185.90 1,185.00 1,185.00 1,617.10	21,751.83
184	Width-F	ವರ್ಷದರುವರುವರುವರ ಅವರಗ್ಷಕಾಶದವರುವ ಭಾರ ಆ ಈ ಅವರಣ	
	B	Twenty-second st. Forest ave Twenty-sixth st. Nighth st. Sake Line Seventh st. Independence ave Twenteenth st. Independence ave Twenteenth st. Indiana ave Nineteenth st. Indiana ave Indiana ave Sixte st. Indiana st. Inventy-third st. Inventy-thir	the transferration of the
	Prom	East Twentleth st. East Campbell st. East Campbell st. South Beth bridge ave. East Maden Lane Reat Maden Lane Roth Nieteenth st. South Nieteenth st. South Nieteenth st. East College ave. Roth Nieteenth st. South Wallington st. Fast North Salteenth st. East North Salteenth st. Roth Nieteenth st. Fast North Salteenth st. Roth Nieteenth st. East North Salteenth st. Roth Needland ave. South Main st. South Main st. South Noodland ave. South Salteenth st. Roth Salteenth st. Roth Salteenth st. Roth Salteenth st. Roth Salteenth st. South Salteenth st. West Ninteenth st. North Salteenth st. West Ninteenth st.	ts, Asi Mies. Totals
	Side	MANAGERACIAN TARRATTATA ANA A A A TO	Mises.
	Street	Holmes st. Pacifie st. Rolaros st. Charlotte st. S. W. Boulevard. Penn st. Vine st. Ritternth st. Ritternth st. Rolarison st. Walnut st. Holmes st. Holmes st. Holmes st. Figernth st. Holmes	Contracts, 245 Mires,

Plank Sidewalks Constructed During Fiscal Year Ending April 16, 1900.

81	No. of Bill	四十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二
structed	Amount	本 の の の の の の の の の の の の の
Total Constructed	Lineal	1,086.20 885.00 1,201.00 1,185.00 1,185.00 1,185.00 1,185.00 1,185.00 1,485
Constructed by Private Cont.	Amount	88 88 89 89 89 89 89 89 89 89 89 89 89 8
ed by Pri	Price per foot	5,2
Constructe	Lineal	290.00 290.00 200.00 25.00 25.00 25.00 25.00 25.00 25.00
ibile Cont.	Amount	本 第2 第2 第2 第2 第2 第2 第2 第2 第2 第2
Constructed by Public Cont.	Price per foot	कुमनीर्मेन केन की ने की
Comstituett	Lineal	115.00 11
100	Midth Fe	න් සිට සහ
	To To	Jackson ave Jackson ave Jackson ave Denver ave, District ave Mercy ave, Mercy ave, Mercy ave, Jackson ave Alackson ave Thritich ave Thritich ave Thritich ave Thritich ave Thritich ave Thritich ave Mytica ave Mytica ave Thritich ave Mytica ave Mytica ave Thritich ave Seventh at Seventh at Seventh at Seventh at Seventh at Themys add Tyenty-seventh at Eighth at Themys ave Seventh ave Maple Grove add Norton ave Jackson ave Seventeenth at Seventeenth at Eighth at Themys ave Thritich ave Seventeenth at Seventeenth at Bellat Bellat Thritich ave Seventeenth at Bellat Bellat Seventeenth at Bellat Bellat Seventeenth at Bellat Bellat Tyenty-seventh at Bellat Bellat Tyenty-seventh at Bellat Bellat Tyenty-seventh at Bellat Tyenty-seventh at Tyenty-seven
	From	Monroe ave Cleveland ave Twenty-fith st Clovery at ave Cleveland ave Twenty-seventh st Twenty-ninth st Twenty-seventh st Quincy ave Ninth st Independence ave Brooklyn ave Twenty-seventh st. Tweitht st Tweitht st Tweitht st Interstate ave Backson ave Cleveland ave Seventh st Treetty st Seventh st Treetty st Seventh st Treetty ave Seventeenth st Eisten ave Seventeenth st Eisten ave Topping ave Twenty-sixth st
	Side	South East Both West South North West South East North West Rat South So
	Street	St John ave Twelfth st. Righth st. Righth st. Twenty-seven'n st. Twenty-seven'n st. Twenty-fifth st. Twenty-fifth st. Twenty-fifth st. Thirteenth st. Fritteenth st. Topping ave. Topping ave. Topping ave. Topping ave. Topping ave. Topping ave. Addison ave. Mackson ave. Thirty-inth st. Fortteenth st. Dickson ave. Thirty-inth st. Fortteenth st. Dickson ave. Thirty-inth st. Fortteenth st. Dickson ave. Thirty-inth st. Thirty-fourth st.

Plank Sidewalks Constructed During Fiscal Year Ending April 16, 1900. - Continued.

				115	or there are street that the	A . Co. to.	Constructed by Public Cont.	Constitution of Livery Cont	A 102 A	ARRICA CARL	Actual Copy	TOTAL COMBINERY
Street	Side	From	43	Width-Fe	Janeal Feet	Price per Foot	Amount	Lineal	Price per Foot	Amount	Lineal	Amount
Seventh at, So	South	Elmwood ave	Lister ave.	1010	481,00	187'S	\$ 100 72 018 65	00'112	8,113	\$ 234 ftg	1,195,00	\$ 394 35
: :	-		Thirty-ninth st	id:	1,154,60				-	100000000000000000000000000000000000000	1,154.60	
Thirty-eighth st., 30 Thirty-eighth st., No.	North	Enelly ave	ailey e of Garfield ave	10.10	565.90	nath.		The state of the s		TOTAL STATE	565.90	
00	-	elt Ry erossing	Ewing ave	ice	2,466,93	183		250.00	88.	88 00	2,716.93	
Brighton ave K	-		Seventeenth st.	010	1,171,00	384				100000000000000000000000000000000000000	1,171,00	
	-	Ninth st.	Fourteenth st	100	1,124.14	表		250.00	20.	89	1,874.14	
	-		Blue River	200	10, 01,75	100		20000	1000		10,001,75	
100	North	Hardesty ave	Lawndale ave	101	710.80	3648.		FFF att (1110)	1	(constant)	719,80	
2 1		raye ave.	Woodland ave	010	9,982.95	2000			1	100000000000000000000000000000000000000	9.080.00	
Twenty-ninth st. So	South	Park ave	Wabash ave	De .	562,90	1667			Saletel		662,90	
6	-	nut Heights add	Myrtle ave	2	589.70	.38 7.19	198				589.70	
-		Personal services		00 7	280.20	100	3:				280.20	44 80
Myrtle ave W	West	Independence ave	Seventh st	21/5	502.80	があ	124	80,00	180	27 30	689.80	
		Transmission and	Cleveland ave	G	803,73	.88%	3182	transmitter.	· · · · · · · · · · · · · · · · · · ·		863.75	
-		Independence ave	Seventh st	210	168.30	188	157	187,00	100	12.19	855,30	
		0.00000	Ewing ave	LO V	2,345.85	1817.	181	Percentains	**********	***************************************	2,345,85	
Thirty-ninth st. No	North	Woodland ave	Ruchld ave	o ka	520.50	Just 6	174	The sections		***************************************	520.80	
1997	-	Cale in the	Fifteenth st.	281	11.000	.10%	100	08'00	91"	15 68	1,091.11	
Garffeld ave. B	West	Thirty-eighth st	Thirty-ninth st.	olo	1,391,90	2000	187				1,891,90	
E AL		Troost ave	Forest ave	10	429.80	300%	165	421,00	386	151 36	850,80	
E	Both	Central st.	Ellrabeth st.	10 10	822.00	.34	279	-			922.00	
Edelid ave		van hoe Park add	Thirty-ninth at	0 10	826.60	# 1H.	0000	450.00	.885	148 50	1.276.60	
A LIGHT	-	Norton ave	Jackson ave	it	2953,000	M2 5-12	150	500,00	All'	160 00	768,00	
-		Thirty-third st	Thirty-fourth st	ig i	514.50	A STATE OF	173	160,00	26.3	33 00	614.50	
Achientica ave. B	South	Ewing ave	Cambridge ave.	9 10	201.46	343	100	900.00	70,	147.20	991.46	
_		Thompson ave.	independence ave	10	613.80	988	908		ALL TO	100000000000000000000000000000000000000	618,20	

Plank Sidewalks Constructed During Fiscal Year Ending April 16, 1900,—Continued.

sII	Zo. of Bi	2 8524c	# KC
nstructed	Amount	**************************************	485,256,31 \$32,587 86 1584
Total Co	Lineal Feet	2,460,06 241,80 641,70 641,70 133,50 2,458,80 3,537,80 982,50	95,256.31
oustruct d by Public Cont. Constructed by Private Cont. Total Constructed	Amount	29 21 22 22	\$ 2,078 63
d by Pr	Price per Foot	9. 9. 11.	
Constructe	Linca Feet		6,464.00
iblic Cont.	Amount	2000 2000 2000 2000 2000 2000 2000 200	EL 80,458 73
d by Pu	Price per Foot	**************************************	
Construct	Lineal Feet	20.087.08 127.80 641.70 7.81.50 2.458.00 3.537.30 2.65.80 2.65.80 6.65.90	x8.792.31
199	Miqup-k	ପ୍ରଥମ୍ପର ପ୍ରଥମ୍ପର	
	£	Nineteenth st. Twelfth st. Twelfth st. Gentral st. E line of lot I Block 5 Mrvernon Junctadd, Thirty-fifth st. Hardesty ave. Thirty-second st.	Total
	From	Sixteenth st Peery ave. Baltimore ave Blinwood ave. Thirty-first st Jackson ave	18.04 miles
í	<u>x</u>	Both West South South South North East North	
ı	Ntreet	Norton ave. Both Sixteenth st. Chestnut ave. West Peery ave. Twenty-st. South Baltimore ave. Frospect ave. Bast Thirty-first st. Seconteenth st. North Jackson ave. Woodland ave Bast Thirty-first st.	M Contracts

Repairs to First-Class Sidewalks and Curbing During Fiscal Year Ending April 16, 1900.

	allia	10.0N	1018
Total	Amount		20 GE \$ 6,001 90
of sil	adeal andeal	smoonsi loosiK	\$ 25 E
#		Price per Square Foot	8
k Sidey	New	Square Peet	1,480
101		Price per Square Foot	.00
atural Stone Sidewalk Bexagon BPk Sider	old	Square Feet	1,487
alk		Price per	951
e Sidew	New	Square Peet	福
Ston	-	Ethee Poot	20
Satural	014	square Feet	2,021
×		Price per	27
srick Sidewalk	New	Square Feet	566
18		Price per Square Foot	90,
Brie	014	square Feet	1,101
- 4		Price per Equare Foot	8
Artificia Stone Sidewal	New	rest erange	429
ne l		Price per	6
Sat. Sto Surbing Curves	New	Lineal Feet	900
gup		Price per Lineal Foot	-
se curb	New	Lineal Feet	4,350
Stor	7	Price per	122
Natural	Re-sa'	Lineal Feet	27,087
and the	TO THE PARTY OF TH		ieneral

Repairs to Plank Sidewalks During Fiscal Year Ending April 16, 1900.

Location	New Lumber Feet B. M.	Old Lumber Feet B. M.	Total Cost	No. of Bills
District No. 1 District No. 2 District No. 3 District No. 4 District No. 4 District No. 8	60,779.00 80,411.00 105,802.00 79,477.00 82,810.00	111, 419, 10 84, 273, 00 90, 700, 00 94, 239, 00 36, 46, 201, 00 46, 201, 00	8 1,947 32 2,000 04 2,386 41 2,002 53 1,502 45 1,388 60	629 2885 2643 4483 4483 1540 1540
Totals	424,496,00	496,192,00	811,384.41	2,450

Streets Graded During Fiscal Year Ending April 16, 1900.

silisi	xal to oX	######################################	<u> </u>
	Total Amount	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	
neous	Cost	85 OF 22 22 22 22 22 22 22 22 22 22 22 22 22	
Miscellaneous	Specifica- tions	Rem. (Podar Blocks)	
d b	Cost per		£ :
Rip-rap	oldu") ebt#?		24.00
	Cost per Foot	4286 E6 12 0 48 86	£ £ £
Drain Pipe	Lineal 1994	88 88 88 88 88 88 88 88 88 88 88 88 88	86.58 19.58
Ä	Size in	2222 22 2 23 22	925 22:
rds	Cost per	8	
Cubic Yards Rock	Excava-	11.10 187.00 188.60	
	Cost per Cubic Yd.	지 # # # # # # # # # # # # # # # # # # #	9
Cubic Yards Earth	Em- bank- ment	58, 252, 00 1, 263, 50 1, 263, 50 1, 263, 20 1, 263, 20 1, 263, 20 1, 263, 20 1, 263, 10 1, 263, 10	13 137.00
Yards	Cost per Cubic Yd,	## ## ## ## ## ## ## ## ## ## ## ## ##	g: ₹
Cubic	Excava- tion	2, 41.89 8,689.10 720.20 720.20 1,687.1	2,049.10
1	1, ineal Fee	2002.0 2002.0 2002.0 2002.0 2003.0 20	2,565.00
	To	Fifteenth 8t Thirty-first st. Thirty-sixth st. Smort sve. Smort ave. Nonree ave. Thirty-third st. Thirty-third st. Thirty-third st. St. John ave. Joh	
	From	g ta . : : : : : : : : : : : : : : : : : :	Agnes ave Prospect ave Walrond ave
	Street	Benton blvd — Independence as Kenwood aver Twenty-fighth strong aver Thirty-fourth st Madison aver Thirty-fourth st Cherry st. Thirty-fourth st Cherry st. Thirty-fourth st Cherry st. Thirty-fourth st Cypers ave Gladstone blvd. Bellefontaine a Marcier Place Twenty-third st Cypers ave Campbell st. Twenty-hird st Twenty-inith Ballefontaine aver Twenty-inith Ballefontaine aver Twenty-inith Ballefontaine aver Twenty-inith Ballefontaine aver Twenty-inith st. Thirty-first st. Theory aver Theory aver Theory aver Theory aver Theory aver Thirty-first st. Theory aver Twenty-initid st. Thirty-first st.	Twenty-sev nth st

Streets Graded During Fiscal Year Ening April 16, 1900, - Continued.

*IIIB	XtT 10.0N	ESSTERSETERSETERS ER SE	95.00
	Total Amount	5, 51, 10, 10, 10, 10, 10, 10, 10, 10, 10, 1	\$68,808.84
neous	\$800	\$ (co s	\$ 675 97
Miscellaneous	snott	B. M. Jumber	and com-
da	Cost per Cubic Yd,		3
Riperap	Cubie	15,40 \$ 20	65,73
	Cost ber	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9
Drain Pipe	Lineal	150.00 120.00 145.00 185.00	1,638.80
7	Size in		
arste	Cost per Cubic Yd.	4 88 8 4 8	0
Cubic Yards Rock	Exeava- Lon	1,018.30 1,018.30 1,018.40 285.30 281.70	11,414.80
	Cost per	คูล สคิดส ส	
Cubic Yards Earth	Rm. bank- ment	2,786.20 2,786.20 2,786.20 2,776.30 2,976.30	139,192.90
e Yar	Cost per Cubic Yd.	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	71.1
Cabi	Excava- tion	4.290,50 8.706,30 1,386,50 1,386,50 1,386,50 6,386,70 6,386,70 6,386,70 6,386,70 1,811,10 1,811,10	158,188,10
3	Lineal Fee	1,290,00 1410,	54,256.34 158,180.16
	Tu	Brooklyn ave Thirty-bicd at Thirty-bicd at Thirty-bicd at Thirty-bicd at Montre ave Thirty-bick at. Thirty-bick at. Thirty-fith at. Thirty-fith at. Thirty-fith at. Thirty-fith at. Thirty-bich at. Nineteenth at. S. W. Boulevard alley wot Holly at Garner ave. Woodland ave. Nineteenth at. Bellefontaine ave. Cleveland ave. Wyandotte at. Twenty-fith at.	
	From	Woodland ave Grand ave Thirty-second st. Thirty-second st. Indiana ave Grand ave Thirty-first st. Thirty-first st. Ivanhos Park Independence ave Evospect ave Prospect ave Prospect ave Independence ave stine lot 1. Mar dock's sub Independence ave	10.27 Milles.
	Street	Thirty-first st. Fwenty-third st. Forets ave. Harrison st. Tracy ave. Thoupson ave. Thouse st. Archibald st. Fuells ave. Notion ave. Twenty-cighth st. Merrill Place. Twenty-cighth st. Twenty-forth st. Thirty-fith st. Central st. Centr	of Contracts.

Alleys Graded During Fiscal Year Ending April 16, 1900.

si	No. of Tax Bil	# ####################################	2×38822539 7	878
	Total	25 25 25 25 25 25 25 25 25 25 25 25 25 2	26 25 25 25 25 25 25 25 25 25 25 25 25 25	\$ 4,199 73
ards	Cost per Cubic		8	
Cubic Yards Stone	Exentation		T PB	191.7
	Cost perCubic	3 25 5		
Cubic Yards Earth	Етьмпктепс	848.7 77.7 2,785.5 380.0	98.002	3,805.7
c Ya	oldnO req 1200 braf	สิ้ม ธ สิ้น	ลลสตกสตลลส์	
Cubi	Exenvelton	256.0 462.1 104.6 721.2 448.3	208.0 238.4 238.4 154.5 522.9 44.8 410.2 44.8 675.7 604.1	10,503.9
	Lineal	978 978 978 977 977 977 977 977 977 977	289.50 308.00 225.00 558.00 465.00 288.00 7158.00 468.00 164.00	8,141,60 10,503.9
	To	Twelfth st. N line for plat of Roberts add. Eleventh st. Twelfth st. Twelfth st. Fourteenth st. Benton blvd. Butla ave. Twenty-fourth st. Huelid ave. Twenty-fourth st.	Eighth st. 225 feet west. 14ndiana ave Bales ave Beneon byd Mineteenth st. Pennsylvanin ave Eleventh st. Benton byd N and S alley B of	
	From	Eleventh st. Thirteenth st. Eleventh st. Eleventh st. Thenty-third st. Thirteenth st. Hellefontaine ave Michigan ave Twenty-third st. Twenty-third st.	Seventh St. Mercter place Benton blyd. Indiana ave. Bellefoontaine ave Alley Sof 18th St. Brondway Tenth St. Gladstone ave. Central st.	1.54 miles
	Between or Location		ween Ywe the and Thirteenth sits and Lydia ave and Grove st immediately E of Prospect ave Seavoir ave and Cliff st. Eleventh at and Peery ave St. John ave and Morrell ave. Flora ave and Vine st. Flith and Stath sts. Extra far and Peery ave Garfleid ave and Strokenth st. Sixth st. and Seventh st. Sixth st. and Seventh st. Immediately S of Tweifth st.	21 Contracts 1.54 miles.

Statement of Trees Planted During Fiscal Year Ending April 16, 1900.

ettit	No.of B	第7条要率はなおはなるを受けるとはなるとなるとのを要がのの表示。
	Total	200
Trees	Cost	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	No.	これが表現を表現を表現が必要を表現がある。
	Kind of Trees	White Elm Hard Maple Soft Maple Soft Maple & W Elm Soft Maple White Elm White Elm Soft Maple White Elm Soft Maple White Ash White Ash White Ash White Ash White Ash White Ash White Elm Soft Maple
	To	Indiana ave. Thirty-first st. Dorn ave. Dorn ave. Dorn ave. Dorn ave. Fifteenth st. Thirty-first st. Twelfth st. Tifteenth st. Fifteenth st.
	From	Walrond ave Twenty-ninth st. Gladstone blvd. Independence blvd. Independence blvd. Gladstone blvd. K O Belt Ky. Ninth st. Sixteenth st. Iverifth st. Sixteenth st. Sixteenth st. Sixteenth st. Sixteenth st. Sixteenth st. Sixteenth st. Twelfth st.
	Side	Both Both
	Street	Lexington ave Baltimore ave Wabes ave Wabes ave Wabes ave Buchin ave Fucht ave Tronst ave Tronst ave Park ave With st Park ave Holmes st Bransylvania ave Holmes st Bransylvania ave Holmes st Indiana ave Indiana ave Rabes ave Charlotte st Harrison st Harrison st Montgall ave Charlotte st Cha

Statement of Trees Planted During Fiscal Year Ending April 16, 1900, -Continued.

silli	No of E	8848584855933125555555555	3397
	Total	25	\$17,919 90
Trees	Cost Each	不得苦苦仁作品等是需求保证品的表现不是任务的基础的的。 第27 内的内心如此时间的内心可可以可可的的的	
	No	ままであるまとはいるないない はんしゅう はんしゅん はんしん はんし	6.050
	Kind of Trees	White Elm Hard & Soft Maple Soft Maple Soft Maple Map & Carolina Pop White Elm Sycamore Soft Maple Sycamore Sycamore Sycamore Soft Maple White Elm White Elm White Elm White Elm White Elm Soft Maple Hard Maple Hard Maple Hard Maple Hard Maple Soft Maple Howhite Elm White Elm Soft Maple White Elm Soft Maple Hord Maple Hord Maple Soft Maple	
	To	Prospect ave frospect ave frospect ave summit &	
	From	Brooklyn ave. Woodland ave. Broadway Broadway Ballefontaine ave. By Boulevard Eleventh st Broadway Ninth st. Ninth st. Independence ave. Eighteenth st. Twenty-first st. Twenty-first st. Twenty-first st. The Broadway Ninth st. Independence ave. Eighteenth st. Twenty-first st.	
	Side	Both Street, S	
	Street	Twenty-third st Thirteenth st Fifteenth st Fifteenth st Fifteenth st Tenth st Tenth st Tenth st Tenth st Tenth st Tenth st Selferson st Selferson st Garfield ave Gladstone ave Harrison st Jefferson st Jefferson st Selferson st Jefferson st Selferson st	54 Contracts

1900.

				_								
				ver							Lui	nber
District	Ordinance	0 ft.,	6in	Ph	12.1	neh	10.1	neh	8 1	neh		
Number	Number	Lineal	Price	Price	Lineal	Price	Lineal	Price	Lineal	Price	Feet B. M.	Price per M
loint, / 182 to 117 i No.3, Div. 5 12 89 160 128 11	10,354 11,272 12,600 11,853 12,152 12,727 12,728	1227.4		.50 .85 .90 1 05	******	1 10	20 3888 1523,3 1399,3	dev	694.9 380.5	.80	46,888 4,778 1,904 10,063 87,164 1,088 1,114	\$ 20 00 25 00 30 00 30 00 30 00 20 00 20 00
Totals		1227.4		*****	991.5		6830.6		3305.2		102,999	

Continued.

mber	Num-			Catel	h J	np		teh	Wat Wat	ter	Drainage Area	snoa	Cost	Bills
r N	nce	10 in	ch	12 t	ne		Are	SILLS	- 11		ana	llan ems		of B
District Number	Ordinance l	Lineal	Price	Lineal		Price	No.	Price	Lineal	Price	Square Feet	Miscellaneous Items	Total	No. c
Joint 132 to 177	10,354										20,968,287	8*244 00	\$ 41,791 60	8518
No. 3 Div. 5	11,272	*****			l.	6 00	2000	min		\$.50	4,064,523		1,870.83	529
12 89	12,600	10100		104 452.5		10 00	13	\$15 00 25 00		****	211,147 6,119,243	*80 00	1.023 16 7.875 97	
160 128 11	12,152 12,727 12,728	246,2	\$ 40	1186.6				30 00	417.9	-25		300 110	13,861 20 597 75 802 90	315
-		.,,,,,				-							014 50	-
Tota	ls	246.2		1743.1		*****	50		494.9		33,494,789		\$ 67,913 02	5860

·			
		·	

Public Sewers Constructed During Fiscal Year Ending April 16, 1900.

-		Pipe	Pipe Sewer	Man	Manholes		Lumber		
-	LOCATION	10.	10-tneh	2	Cost	Feet	No Cost Feet Cost Feet Amou	Lineal	Amount
_		Lineal	Cost per Foot		Each	B. M.	per 3000		
1	12162 Independence boulevard, from point 26 feet north of said / boulevard to sewer in Sixth street.	286.8	02:	01	8 45 00		588.00	288 90	18 1028
	1201 Thirtieth st., from Montgall ave, to Prospect ave.,	200.2	.00	-	32 (0)	800	32 00 008 R 20 00 200.20	259.20	त स्ट
1	Total	587.5		20		800	008 \$ 20 DO 587.540	587.50	\$515 90

Miscellaneous Public Work Paid for by Voucher.

Amount	8.50 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$08 78
SPECIFICATIONS	Rrick paving in front of engine house at 14th and Washington sts. Driveway at work house Curbing and exting curb in front of work house Curbing and exting curb in front of work house Repairing intersection of Broadway and 6th st Repairing joint district sweer in districts Nos. 54 and 55. Resetting curbing our southwest lived. Wishington and Fenn sts. Resetting curbing our southwest lived. Washington and Fenn sts. Constructing approach on falls, 18th st. bet. Washington and Fenn sts. Constructing approach on falls at Main sis. Constructing approach on falls at W. eco. Monroe and Garner aves. Laying granticold sidewalk at s. w. eco. Monroe and Garner aves. Flank sidewalk across alleys, W. side Cambridge aves, bet. Indp. ave. and Mash. Park blvd.	
Date	May 29, 1886 July 28, 1880 July 28, 1880 Sept. 20, 1880 Oct. 1880 Jun. 31, 1880 Jun. 31, 1880 Jun. 31, 1880 Jun. 31, 1880 April 9, 1880 April 9, 1880	
Contractor	M. Mense. C. M. Travens C. M. Travens C. M. Cravens M. Mense. P. C. Freiding & Son Marine Persian Raving Go. Travens Travensen E. M. Walton E. uile Davidson Louis Davidson Louis Davidson	Total

Street Paving Under Contract at Close of Fiscal Year Ending April 16, 1900.

Asphalt.

			-
mle ,	Amount	12,303 63 6,981 77 5,088 92 7,188 92 10,480 98 10,480 98 8,901 47 12,817 98 12,817 98 12,818 53 12,818 10 14,018 63 14,018 64 14,018 64	\$ 106,991 48
Estin	Cost per Square fard	# ### ################################	***
Approximate Estimate	Square	6,800,00 \$2.12 3,283,00 2.12 1,005,00 1.97 5,670,00 1.85 11,191,90 1.85 2,883,00 2.12 1,585,00 2.12 8,835,00 2.12 1,574,00 2.12	88,485,30
Ap	Lineal Feet	217.16 217.19 1,190.00 397.30 1,190.00 1,190.00 1,190.00 1,190.00 1,190.00 1,130.00	21,676,78
	Foundation	Buena Vista 2 6 Inches concrete	
səyə	nI-dandek	A NA ARRAGAMA ARRAGA	
	Kind of Asphalt	Trinidad Lake Trinidad Lake	
1ttəm	Former Pave	None None None None None None None None	
	To	Twenty-second st Agnes ave and ave	
	From	Bighteenth st. Twenty-ninth st. Indiana ave Prospect ave. Hickory st. Central st. Sroadway Ninth st. Woodland ave. Sixth st. Cladstone ave. Independence ave. Holly st. Independence bly Holmes st. Fifteenth st. Thirty-third st.	4.10 Miles.
	Street	College ave. Campbell st. Dunham ave. Elghth st. Elghth st. Fifteenth st. Fourth st. Missouri ave. Missouri ave. Ninth st. Spruce ave. Sixth st. Sixth st. Sixth st. Sixth st. Sixth st. Sixth st. Woodland ave. Woodland ave. Troost ave.	22 Contracts.

Street Paving Under Contract at Close of Fiscal Year Ending April 16, 1900.

unte	Amount	8.250 4X 8.250 4X 8.250 4X 8.717 13 8.715 13 8.715 13 8.715 13 8.715 13	\$ 53,718 85
e Estin	Cost per Sq. braZ	# 1.041 1.057 1.057 1.057 1.057 1.057 1.057	
Approximate Estimate	Square	960.70 11,827,60 5,829,50 8,678 80 2,612,30 6,459,70 4,142,00	38,800.50
As	Libeal	821,00 3,506,00 1,321,00 1,126,00 028,20 1,857,00 1,367,43	86 9630'6
Jation	Concrete	0000000	
Found	Sand	28 29 26 29 27 26 23	
Ni s	Between Spaces	Portland Cement Grout	
3	Former	Non	
	To	Twenty-third st R. W. Boulevard Prospect ave Troost ave Twenty-nith st Twenty-second st	
	From	Twenty-second st Eighteenth st. Seventeenth st. Brooklyn ave Camptell st. Twenty-third st., Nineteenth st.,	1.82 Miles.
	Street	College ave Campbell at Central st. Twenty-second at Twenty-third at. Vine at.	7 Contracts.

Alley Paving Under Contract at Close of Fiscal Year Ending April 16, 1900. Brick.

From Ninth st. Ninth st. Ninth st. Bellefontsine

Street Grading Under Contract at Close of Fiscal Year Ending April 16, 1900,

		Amount	••	28.00°.	1.05.25 1.05.25 1.05.25	5.5. 5.8. 5.8. 5.8. 5.8. 5.8. 5.8. 5.8.	1,845 90 1,689 18	\$7,557 25 \$ 32.815 23
		Miscella. neous	\$2.192.58	8.0 th	305 G	1,639 1	8 % T.1.1	\$7,557 25
		eofr4	\$.40	: : 5	: : ₹		25	
1	Drain Pipe	Lineal Feet	110 00 \$.40		72.50	12.50	70.00	363.00
نه		l nch	12	· · · · · ·	12:::	2 :: 2	: :21	1
timat		Price		9 9				i
Approximate Estimate.	Rock	Cubic		488.30				1,660.60
γbb		Price	F-3 8	£ 2	ដដូច	<u> ২ খ</u>		!
	Cubic Yards Earth	Embank- ment	2,058 50 \$.17 1,034.40 .129 9,720.20 .35	7,855 00	2.5.48.5.20 2.48.5.30 3.85.30 3.85.30	5,778.20 2,689.30		62,846.60
)	r Yar	92114	62	<u>Z</u> =		9 1	11.	
	Cubt	Excava- tion	3,0988.50	3,223.90		3.074.50 .11 5-0 9.819.00		26,594.08 46,039,90
	_	Lines! Feet	264.00 603.97 643.60	11.10.02 11.10.02 11.10.02 10.02 10.02 10.02 10.02 10.03 10.	38.88 38.88 38.88	1.047.00 1.165.00 1.193.36	520.00. 2.145.00 2.399.00	26,594.08
	(10	Flora ave. Thirty-first st. Thirt eth st. Dyer ave.	Thirty-fifth st Smart ave Fifteenth st	Thirty-seventh st. Nineteenth st. Thirty-first st.	W. Prospect Pl. Lydia ave Twenty-fifth st. Thirty-ninth st. Woodland ave	195 ft, west of Mercier Place Woodland ave Forty-third st	les
	ſ	rom		Thirty-third st Independence average Twelfth st		d st.	Holly st Troost ave Thirty-ninth st	racts. 5.03 Miles
	 :	Street		Forest ave			ty-fifth st	20 Contracts.

Curbing Under Contract at Close of Fiscal Year Ending April 16, 1900.

Natural Stone.

From
Vine st. Ninsteenth st. Ninsteenth st. Twenty-fifth st. Thirty-first st. Thirty-second st. Coleceland ave. Thirty-second st. Thirty-second st. Thirty-second st. Thirty-second st. Thirty-second st. Thirty-second st. Thirty-first st. Independence blvd. Twenty-first st. Thirty-first st. Thirty-second st. Thirty-first st. Thirty-first st. Thirty-first st. Thirty-first st. Thirty-first st. Thirty-first st. Twentieth st.
7.51 Miles

Artificial Stone Sidewalks Under Contract at Close of Fiscal Year Ending April 16, 1900.

ite.	Amount	88 88 4 1,820 88 1,182 0 88 1,182 0 88 1,182 0 88 1,182 0 88 1,182 0 88 1,182 0 0 8 1,182 0 0 0 0 1,182 0 0 0 0 0 1,182 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$15,436 45
Approximate Estimate.	Price per Sq. Ft.	44444444444444444444444444444444444444	
pproxima	Square	1,772,00 4,461,20 5,288,20 5,288,20 1,188,25 1,572,00 6,404,00 6,404,70 80,000 1,200,00 1,200,00 1,200,00 1,200,00 1,200,00 1,200,00 1,200,00 1,200,00	15,688.00 83,461.12
A	Lineal	282.00 1,382.00 283.00 283.00 283.00 283.00 1,382.00 1,382.00 1,382.00 1,382.00 1,382.00 1,400.00 1,50	15,688,00
ч	Feet Widt	20000000000000000000000000000000000000	
	Kind	Grantoid	
	To	Highland av. Gladstone av. Gladstone av. Christenh st. Beacon Hill Park. Thirty-first st. Minctenh st. Gladstone byd. Carner av. Benton byd. Gladstone byd. Gladstone byd. Gladstone byd. Gladstone byd. Shirty-fifth st. Gladstone byd. Shirty-fifth st. Winty-fifth st. Shirty-fifth st. Shirty-fifth st. Shirty-fifth st. Shirty-fifth st. Shirty-fifth st. Shirty-fifth st.	
	From	Thirteenfli st. Independence by Prospect av. Prospect av. Twelfth st. Twelfth st. Twenty-ninth st. Thirtiels st. Seventeenth st. Independence av. Glakstone blyd. Prospect av. Walrond av. Thirty-first st. Thirty-second st. Independence av. Thirty-second st.	2.97 Miles,
	Side	South South North Both East West Both Both Both Both Roth East East	
	Street	Belleview av Eighth st Fighth st Garfield av Jarrison st Main st Myrite av Synuce av Synuce st Sixth st Vine st Sixth st	16 Contracts.

Natural Stone Sidewalks Under Contract at Close of Fiscal Year Ending April 16, 1900,

ite.	Amount	\$2,251 9 450 0 8881 9 615 7	\$4,050.8
Approximate Estimate.	Feet Sq. Ft. A	1244 1444 1444	
pproxima	Square	10,233,00 \$ 2,500,00 4,530,00	8,368.00 19,918.00
Y	Lineal	1,431,00 500,00 906,00 581,00	8,868.00
ų	Peer	0.000	T
	To	Twentieth st. Twenty-sixth st. Pasco sarfield av.	
	From	Eighteenth st. Twenty-third st. Alley W. of Mich.	,60 Miles.
	Side	Roth East South	160
	Street	Tracy av. Grand av. Eleventh st.	1 Contracts.

8882 8

Plank Sidewalks Under Contract at Close of Fiscal Year Ending April 16, 1900.

				19	Approx	(mate)	Approximate Estimate
Street	Side	From	10	Midth-Fe	Lineal	Price per Lineal Foot	Amount
Rales ave Bell-fonteline ave. Gambridge ave Cambridge ave Drus ave Pourcenth st Fourteenth st High st Independence ave Jarkson ave Annica ave Norten ave Norten ave Chirteenth st Twenty-sixth st Tenth st Tenth st Tenth st Nordland ave Washington st Norten ave Nashington st Norten ave Nashington st Norten ave Nashington ave Nashington ave Norten ave	West Esst South South South South South South South South Esst West South Esst North Esst North Esst North Esst	Twenty fifth statements of the statement	Twenty-sixth st. Twenty-sixth st. Twenty-sixth st. Independence ave. Twenty-lith st. Saids ave. Cypress ave. Monroe ave. Holy st. Thit deemly seventh st. Twenty-seventh st. Twenty-fifth st.	ವರವರಾದವರುವರಾದವರವರಾಯ ಭಾವತರಾವನಾಗುವ	416.38 8417.38 8417.38 8417.49 1445.00 1457.00	A MAN AND AND AND AND AND AND AND AND AND A	**************************************
26 Contracts		a.20 Miles			17,412,59		\$ 1,990 84

TREE PLANTING
Under Contract at Close of Fiscal Year Ending April 16, 1900.

				App	roxima	te Esti-
Street	Side	From	То	No.	Cost Each	Total Amount
Agnes ave Baltimore ave Belleview ave. Belleview ave. Belleview ave. Belleview ave. Belleview ave. Kima st. Eleventh st. Forest ave. Grand ave. Holly st. Jefferson st. MeGee st. Montgall ave. Monore ave. MeGee st. Main st. Olive st. Oak st. Prospectave. Peery ave. Roberts st. Thirty-fourth st. Thirty-second st Thirty-second st Thirty-second st Thirty-second st Thirty-second st Thirty-stinth st. Twenty-second st Twenty-ninth st. Twenty-second st Twenty-third st. Twenty-third st. Twenty-third st. Washington st. Wyandotte st. Woodworth ave. Wyandotte st.	Both	Sixteenth st. Seventeenth st. Thirty-third st. Garfield ave. Tracy ave. Twenty-second st. Thirty-third st. Sixteenth st. Twenty-first st. Titry-ninth st. Twenty-first st. Twenty-first st. Tudependence ave Thirty-first st. Twenty-ninth st. Twenty-ninth st. Twenty-first st. Twenty-first st. Twenty-ninth st. Thirty-first st. Twenty-ninth st. Thirtieth st. K. C. Belt Ry Fortieth st. Twelfth st. Bellefontaine ave Walrond ave. Main st. Troost ave. Walnut st. Main st. Cherry st Brooklyn ave. Main st Troost ave. Sixteenth st Thirty-third st. Main st. Thirty-third st. Main st.	Garfield ave. Thirty-first st. Thirty-first st. Twenty-fourth st. Eighteenth st. Forty-third st. Howard ave. Smart ave. Thirty-third st. Westport ave. Thirty-first st. Thirty-first st. Thirty-first st. Thirty-first st. Indiana ave. Monroe ave.	249 1111 106 255 255 264 49 35 167 89 95 289 288 95 668 72 127 68 669 94 67 76 76 76 76 76 76 76 76 76 76 76 76	\$ 2 78 2 258 2 268 8 15 2 288 8 279 2 88 3 20 2 288 2 8	\$ 602 22 286 38 312 70 683 40 97 65 435 24 747 12 83 20 156 80 103 25 447 56 280 08 253 08 253 08 253 08 1,296 02 250 08 1,296 08 250 08 1,296 08 250
83 Contracts.				1748		\$ 13,085 87

ATEMENT OF DISTRICT SEWERS Under Contract at Close of Fiscal Year Ending April 16, 1900.

	Approximate Estimate								
Material	Bewer in District No. 65	t	Sewers In District No. 2	1	Sewers in District No. 179 Cost particular Cost Ordinance No. 19,946	Joint Sewer in Districts No. 130, 131, 141, 146, 177		182, 144, 19	Estima ted Cost
Brick Fewer, 5 feet, 2 inches 4 feet, 6 inches 4 feet, 6 inches 4 feet, 2 inches 4 feet, 2 inches 4 feet, 2 inches 5 feet, 6 inches 7 feet, 8 inches 7 feet, 6 inches 7 feet, 4 inches 7 feet, 1 inches 7 feet, 8 inches 10 inch 10 inch 11 inch 12 inch 12 inch 13 feet, 6 inches 14 feet, 8 inches 15 feet, 8 inches 16 inch 17 feet, 8 inches 18 feet, 10 inch 18 inches 19 inch 19 inch 10 inch 1	8 621 141 50 5	68 00 15 92	\$1,021 90 87 120 31	28 00 71 00 50	\$ 6,008 10 1,008 30 875 00 1,806 00 610 00 807 25	\$ 3,744 3,779 1,80) 2,172 1,927 1,927 1,927 210 10,223 525	87 87 87 89 00 50 180	6,240 cc 7,440 cc 2,850 cc 1,000 cc 133 tc 584 52 864 0c 1,245 tc 1,248 cc 1,248 cc 1,248 cc 616 0c 1,248 cc 616 0c 625 cc 625 cc 625 cc	7 7.193 6 1,503 6 1,503 6 1,503 6 1,503 6 1,503 6 1,503 6 1,503 6 1,515 6 1,51

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Contract at Close of Fiscal Year Ending April 16, 1900
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Contract at Close of Fiscal Year Ending April 16, 1900, Approximate Esting To. Cuble Yards Earth Freet Lion Excava Price Embank Price
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FO Paving New Blocks Square Price Square Price Yards Price 787.00 \$ 1.95
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Statement of Grading Cases During Fiscal Year Ending April 16, 1900.

Judgment		Damages No damages No damages Perdulu Fending Perdulu Fending Default No proceedings Unanimous petition Default Ferding Default Damages Default Default
To		Twenty-first st. Thirty-first st. Thirty-first st. Thirty-first st. Third st. Third st. South line of Hampton pl. Monroe ave Washington st. Benton blvd Reiventh st. Alley funnediately cast of Campbell st. Fitteenth st. Fitteenth st. Fitteenth st. Fitteenth st. Fitteenth st. Fitteenth st. Twenty-sixth st. Twenty-first st. Thirty-first st. Thirty-first st. Thirty-first st. Thirty-second st. Miscourt ave Highland ave
From		
Street or Alley		West Prospect place Wenty-first at lley bet, Marin and Terrace sts. lley bet, Main and Walnut sts. lley bet, Trucet and Forest aves- lley bet, Trucet and Forest aves- lley bet, Trucet and Forest aves- tolines st. st. John ave wenty-sixth st. lley immediately S. of 12th st lifey immediately S. of 12th st lifey immediately S. of 13th st lifey immediately S. of 13th st lifey bet, Reservoir ave & Cliff st, lifey bet, Reservoir ave & Cliff st, lifey bet, Reservoir ave & Cliff st, lifey bet, Preery ave and 13th st, lifey bet, Preery ave and 13th st, lifey bet, Preery ave and 13th st light ave
Hotel .	Approved	
Ordinance	App	April
Ono	No.	11170 11070 11070

Statement of Grading Cases During Fiscal Year Ending April 16, 1900.—Continued,

Judgement		Default Unanimous petition Default Default Default No proceedings Default No proceedings Default Rep. by Ord. No. 14057 Default L. L. L. Damages Default Default No Droceedings Default No Damages Default No proceedings
To		Thirty-second st Seventeenth st. Moodland ave. Alley north of 12th st Voodland ave. Thirty-fitti st. Rampder Place Fitth st. Thirty-fitti st. Brooklyn ave. Brooklyn ave. Brooklyn ave. Britty-hird st. Beleview ave. Britty-hird st. Beleview ave. Brooklyn st. Thirty-hird st. Beleview ave. Brooklyn st. Thirty-hird st. Beleview st. Thirty-hird st. Thirty-fitth st. Thirty-fith st. Thirty-fith st. Thirty-fitth st. Thirty-fitth st. Twooty-sixth st. Twooty-bird st.
Prom		Thirty-first st. Sixteenth st. Frocat ave Benton blyd Frora ave Thirty-first st. Thirty fifth st. Missouri ave Tharty ave Tracy ave Fournoy's Heights. Fournoy's Heights. Indrendence ave West Prospect Place. Thirty-second st. Thirty-second st. Twenty-eighth st. Twenty-eighth st. Twenty-eighth st. Twenty-eighth st. Twony eighth st. Twony ninth st. Twony ninth st. Twony ninth st. Twons ave Treenth st. Twony fifth st. Oak st.
Ottobar A House	Anna io anna	Charlotte st. Alley bet Agnes & Bellefont'n aves Alley bet Indiana and Bales aves. Forry-fifth st. Kansus ave. Thiry-third st. Campbell st. Campbell st. Montgall ave. Pacific st. Spruce ave. Alley index on of Louis Vogeis 2nd add Aley index on of Louis Vogeis 2nd add Aley ind n of Louis vogeis 2nd add Aley in mediately s of 10th st. Gorest ave. Forest ave. Forest ave. Forest st. Carley at. Montgall ave. Fluiry-seventh st. Forey st. Carley st. Montgall ave. Fluiry-seventh st. Forey
9	pea	10.0 1879 10.0 1
Ordinance	Approved	Aug. 100 Aug
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Statement of Grading Cases During Fiscal Year Ending April 16. 1900. - Continued.

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	10	t t t t t t t t t t t t t t t t t t t
	From	Ninth st Ninth st Scarrett ave Scarrett ave Fratt's addition Frospect ave Alley south of Ninth st Thirty-sixth st Lydia ave Bales ave Thirty-seventh st Baltimore ave Glarfotte st Hanover Place Hanover Place Hanover Place Hanover Place Thirty-seventh st Frospect ave Frospect ave Frospect ave Frospect ave Twenty-sixth st Twenty-direct st Twent
	Street or Alley	Alley bet. Oak at and Locust at. Clinton Place Clinton Place Alley bet. Lydia ave and Pasco. Alley bet. Lydia ave and Pasco. Alley bet. Brooklyn and Park aves Trays ave. Frays ave. Frays ave. Thirty-courth at South half of Thirty-first at Falley bet. Frant at Alley bet. Parn at and Jefferson at Alley bet. Parn at and Jefferson at Alley bet. Zhod at and diret at Thirty-first at Alley bet. Washington and Penn ats Confras at Thirty-first at Alley wave. Finity-first at Alley wave. Finity-first at Alley wave. Finity-first at Alley bet. Washington and Galk at Alley bet. Washington and Jank ats Alley bet. Washington and Hank ats
Ordinaniee	Approved	Jan. 17, 1900 Jan. 25, 1900 Dec. 6, 1899 Dec. 6, 1899 Jan. 25, 1900 Jan. 25, 1900 Jan. 25, 1900 Jan. 25, 1900 Jan. 26, 1899 Jan. 27, 1900 Meb. 2, 1900 Meb. 2, 1900 Meb. 2, 1900 Meb. 2, 1900 Meb. 15, 1900 Meb. 16, 1900 April 14, 1900 April 14, 1900 April 16, 1900
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Statement of Condemnation Cases During Fiscal Year Ending April 16, 1900.

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ž		Approved	Street or Alley	m m	2	Mayor	Mayor's Court	Circuit	Kansas		Property Owners	ore,) jo rojeje
1111	May May May	7.1. 7.38	1869 Alley let, Woxdland and Mich, aves T 1869 Wahash ave T 1869 Independence ave T	Thirty-eight st Thirty-third st Cleveland ave	Thirty-ninth st Oct. 4, 1880 Thirty-fifth - st. Oct. 17, 1880 K.C. Belt Ry 11ftl	Oet. 11.	<u> </u>	3.2	*	2 x x x x x x x x x x x x x x x x x x x	2 S	ass in Complete
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12700 12914 11050 13051 13052 13052	Sept.	200000	Montgall ave Washington st Kenslington ave. Alley wast of Linwood Terrace Contral st	Thirty-first st Fifth st Ninth st N. line 22d st Hanover place	Park add. Thirty-fluird st. Sixth st. Eleventh st. Oakland Thirty-seventh st.	Peb.	10, 1900 14, 1900 1, 1900				1,996 4,014 8,279 00 8,279	1,000 00 Appended 4,004 00 8,270 00 1,000 Pending Property deeded

Statement of Condemnation Cases During Fiscal Year Ending April 16, 1900. - Continued.

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No.	App	Approved	Street or Alley.	From	To	Mayor's Court	Circuit	Kansas	Property	Status of Case
1000 1110 1100 1100 1100 1100 1100 110	OGE, NOV. NOV. NOV. NOV. NOV. NOV. NOV. NOV.	· · · · · · · · · · · · · · · · · · ·	Myrtle ave Schnefer st Marcher st Marcher st Mindsor ave Nicholson ave Alley bet lith and 11th sts Alley bet lith and Nith st Financy-fourth at Founsylvania ave Pacific at Norton ave Pacific at Norton ave Pacific st Founsylvania ave Pacific st Founsylvania st Founsylvania st Founsylvania st Agnes ave Summi st Firect north of 11th st Street north of 11th st Street st Founsylvania st Street st Founsylvania st Founsylvania st Chirty first st Alley ave Cleveland ave	Sidney place Sidney place Thi ye, ninth at Wakitus ave Norton ave Norton ave Lockson ave Lockson ave Lockson ave Rendway Thirty-first st. Troops ave Aley ave Troops ave Aley ave Aley ave Troops ave Aley ave Aley ave Aley ave Troops ave Aley ave Aley ave Aley ave Troops ave Aley ave Aley ave Aley ave Aley ave Aley ave Troops ave Troops ave Aley ave Troops	Gordon place Fernistivatia ave Fortieth at Wil Mersingt'n av Monroe ave Baltimore ave en i Joi is M. Ver non Junet Pleasant Vi'w add Summit st. Thirty third st. Fortieth st. For	April 4, 1900	July 17, 1899 July 17, 1899 July 1, 1899 May 8, 1899 May 8, 1899 Nov. 7, 1899 Nov. 7, 1899 Per, 20, 1899 Per, 20, 1899 May 11, 1999	888 88888888	\$ 1.00 \$	# 1.019 00 Collecting Pending

Statement of Streets Paved With Asphalt at Close of Fiscal Year Ending April 16, 1900.

	Contractor	Gilsontte R & P Co Barber A P Co	
p.iv	Gost pe	유크인동도로로인으므로 (환통인으로 간 연안으므로인안한건물문으로 등통였다. 한연 많이 가게하게 하게 가게 가게 하면 하게 되었다면 하면 하게 되었다면 하게 하게 하게 되었다면 하게 하게 하게 되었다면 하게 하게 되었다면 하게 되었다면 하게	-
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de	Inches	STREET, STREET	-
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	From	Righteenth st Washington st. Fourteenth sa. Amis st Sixteenth st. Ninth st. Alline Ninth st. Ferth st. Minnie st. Alline Ninth st. For Belt Ry Sixth st. Sithe 10th st. Hunter ave. In Pendleton ave. In Gladston e blvd. In Sixte st. Independence blvd. Independent st. Sixteenth st.	
	Street	Addine place. Aldine place. Belleview ave Belleview ave Belleview ave Belleview ave Brooklyn ave. Bellefont'n av. Bellefont'n av. Bellefont'n av. Contral st.	

Statement of Streets Paved With Asphalt at Close of Fiscal Year Ending April 16, 1900. Continued.

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	To	Thirty second st. Thirty-fourth st. Thirty-fifth st. In line Pitteenth st. Banover-place Sm. rl. sve. Sm. rl. sve. Thirty-sixth st. Twenty-seventu st.	Ninth st. Prospectave Ord prospectave Frospectave Sixtrenth st.	Seventh at 27 feet e of Santa Fe st Indiana ave Grand ave w side Jefferson st. Troost ave Woodl nd ave	Olive st Cheury st Central st Wyandothe st Summit st Lydia ave	Ballinore ave Woodland ave. Woodland ave. w line Olive st. e line Summit st. e line north of Oak st. Kirhth st. varfield ave
	From	Thirty first st. Thirty-furth st. Thirty-fourth st. s line 13th st. Thirty-sixth st. Independence ave Thirty courth st. Twenty-third st.	Fourth st. Wabash ave Harfield ave Olive st.	Independence blvd. Mill st. Pro-pect ave. Main st. Pennsylvania ave. Cherry st. Grand ave.	Coarreid ave Grand ave Wyandotte at. Delaware at. Broadway	Main st Lydia ave. Haltinore ave. In the Woodland ave. e line Woodland ave. e line Modee at. Seventh at. Fore-lave.
	Street	Completist Campbell st College st College st Cypress ave Charlotte st	Elma st. Elma st. Elghth st. Eachd ave.	Ruchdaye Eighth st. Righth st. Eeventh st. Eighth st. Eighth st.	Kleventh st Klighth st Kighth st Klighth st	Eleventh st. Kighth st.

Statement of Streets Paved with Asphalt at Close of Fiscal Year Ending April 16, 1900. - Continued.

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	Contractor	ASP, P. ASP, P
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	From	Twelfth st Campbell st Twenty-second st Wahnut st Main st Main st Grand ave Grand ave Broadway Twenty-seventh st Fifteenth st Woodland ave Woodland ave Woodland ave Woodland ave Woodland st Fifteenth st Fifteenth st Fifteenth st Month st Fifteenth st F
	Street	Fucild ave Fifteenth st. Fifth st. Fifth st. Fifth st. Fifteenth st. Fifteenth st. Fifteenth st. Forest ave Garfield ave Grand ave

Statement of Streets Paved with Asphalt at Close of Fiscal Year Ending April 16, 1900. - Continued.

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Statement of Streets Paved with Asphalt at Close of Fiscal Year Ending April 16, 1900, -Continued.

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		Twelfth st Seventh st Walnut st. Third st. Garfield av		Thirty-nint Santa Fe st Walrond av East line B	Woodland Delaware st Oak st Forest ave	Independer Independer Belt railwa Twelfth st	Twelfth st Thirtieth st Eleventh st. Lexington ave. Twenty-sixth st. K.C. Belt Ry bridge Elghteenth st. Elghteenth st. Bellefontalne ave. Olive st.
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	Street	Michigan ave. Main st. Missouri ave. Main st. Minnie st	Mercier place. Montgall ave. Monroe ave Monkgall ave Madison ave	McGee st Ninth st. Norledge pl.	Ninth st Ninth st Ninth st	Olive st Olive st Olive st.	Oak st. Oak st. Oak st. Ord st. Olive st. Park ave. Peery ave.
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Statement of Streets Paved With Asphalt at Close of Fiscal Year Ending April 16, 1900.—Continued.

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Statement of Streets Paved with Asphalt at Close of Fiscal Year Ending April 16, 1900. - Continued.

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Statement of Streets Paved with Asphalt at Close of Fiscal Year Ending April 16, 1900, - Continued.

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Statement of Streets Paved With Asphalt at Close of Fiscal Year Ending April 16, 1900. - Continued.

			Specifica-	6	Maintenance			Die.	
Street	From	To	Asphalt Inches Hita Cone Inches Oon Inch's	Accepted	Expires	Lineal	S. S	Gost pe	Contracto
Wabash ave Twenty-thi Woodland Ct Woodland a Windson ave Gladstone I Woodland ave Missantian	Twenty-thi-d st. Woodland ave. Gladstone bivd.	Twenty-sixth st. E. end of Woodland Ct. Monroe ave	2222 2222	July 28, 1899 10 Sept. 7, 1899 10 Sept. 27, 1839 10 Oct. 2, 1830 11	Bept. 28, 1909 Bept. 7, 1909 Bept. 27, 1609 Port. 2, 1909	1,923,00 315,00 1,782,00 876,00	8,0	80.00 80.00 90.30 90.30 90.30	12 Burber A P C

77.47 Miles. 409,017.61 lineal feet,

1,504,036.42 square yards.

Statement of Streets Paved with Macadam at Close of Fiscal Year Ending April 16, 1900.

				Ma	Leri	Material Used-Inches	1-pa	nehe	00			Maintenance					
	From	To	Crushed	Granite	Gravel	Sereenings Crushed	Limestone	Limestone Beth, Palls	Kank Gravel	Accepted	-	E STUDY	Lineal	Square	Price per Spuare Sand	Remarks	Contractor
Baltimore ave 23d st. Rell st. Chestnut ave Rell st. Chestnut ave Rell st. Rell st. Contral st. Cherry	ave.	20th st. 10th Allen 39 h st. Whiter wee. Hein's Bwry. Hein's Bwry. Fortieth St.					S : 00 S : 5000		Oct. Apr. Sept. Feb. July July	4, 1894 13, 1892 13, 1892 27, 1893 27, 1893 11, 1893 6, 1898		1,294,00 2,000,00 1,738,00 2,708,00 2,708,00 1,778,00 1,778,00 1,890,00 1,530,00 1,530,00 1,530,00 1,530,00 1,531,00 1,531,00 1,531,00	3,233,90 6,000,00 8,95,00 23,013,00 20,000,00 4,000,00 5,720 1,427,30 1,427,30 1,427,30 1,427,30 1,427,30 1,427,30 1,437,40 1,437	28 12 8 12 12 12 12 12 12 12 12 12 12 12 12 12	Art, St. Gutr	M Walsh Street dept A J Armstrong Street dept A J Armstrong W H Crowley T Bresnahan LB Band J W Drinkwater LB Root J W Brinkwater J Kenting	

Statement of Streets Paved With Macadam at Close of Fiscal Year Ending April 16, 1900.-Continued.

	Ret arks Contractor	G. G. Nelswanger G. K. White. J. Caselon Co. Jackson Co. J. Armstrong. G. G. Nelswanger. Crowley & Gmy. Brick Gutter A. J. Armstrong. A. J. Armstrong. A. J. Armstrong. A. J. Armstrong. G. L. Powell. A. J. Armstrong. G. L. Powell. J. Casey. G. L. Powell. G. K. White. G. K
Pri	Price pa	स्वेद्ध वर्षहरूषु वर्षहर हुए। हुए। सुव व सेट व व्हिन
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	Lines	6400.00 446.00 446.00 70.41.00
Maintenance	Expires	5 Aug. 31, 1998
	Accepted	Aug. 11, 189 Nov. 21, 189 Nov. 21, 189 Meh. 28, 189 Apr. 28, 189 Nov. 48, 189
	Bank	
-Inches	Broken Limestone Beth, Falls Limestone	
aterial Used-1	Limestone Scievalings Urushed Limestone	
tater	Sereenings	
N	Granite	
	5 Defend	Prospect ave. Multherry st. Multherry st. Wertport ave. Wertport ave. Wordlog st. Independ ave. Yound st. Frospect av. Myoulog st. Independ ave. From st. Oak st. State line Oak st. Myodland ave. From st. Myodland ave. From st. State line Oak st. State line State line Oak st. Oak st. Oak st. State line Oak st. Oak st. Oak st. Oak st. Oak st. State line Oak st.
	Prom	Dilye st
	Street	Eleventh st. Matherry st. Eighth st. Matherry st. Eighth st. Elokova's t. Einwood ave. Elevanth st. Eroadway Fourteenth st. Broadway Fourteenth st. Broadway Fourteenth st. Broadway Florest ave. Fifth st. Florest ave. Fifth st. Forty-third st. Math. st. Forty-third st. Warbington Forty-third st. Warbington avery-third st. Warbington avery-third st. Virgina ave. Edunotte ave. Edunotte ave. Edunotte st. Shawmes st. Guinotte ave. Edunotte st. Hunter ave. Hunter ave. Hunter ave. Hunter ave. Hunter ave. Edunotte st. Hint st. Holmes st. Fifth st. Holmes st. Fifth st. Fif

Statement of Streets Paved with Macadam at Close of Fiscal Year Ending April 16, 1900.-Continued,

				Mate	Material Used-Inches	-pas	Inch	68	-		1	M	Maintenance	nane	(1)			-	- p			
Street	From	To To	Orushed Strantte Stranto	Sereenings Gr vel	Limestone	Crushed Lime-tone	Beth, Falls	Limestone	Gravel	Aecepted	pted	Kenrs	Ex	Expires	72.	Fret	Square	Price per	Square Yar	Remarks	Contractor	actor
Lydia ave Mulberry st. Montgall ave Montgall ave Mann st. Mann st. Myrtle st. Myrtl	cightst cightst st. cightst st. coortest st. dat st. corticular st. st. corticular st.	orth st. Ninth st. K Or Bell Ry 11st st. 12st st. 12st st. 13st st. 13st st. 13st st. 14st st. 15st	30 00 00 00 00 00 00 00 00 00 00 00 00 0		# sannand		x2612 22 4 6 606666 2	ee334 a 3 3 3	Aug	the still and the street of the street of the state of	25, 1892 27,	# ::::::::::::::::::::::::::::::::::::	Jan. 25, 1893 Feb. 15, 1887		ने की ने की नेनी निश्चनिक्निकीकोनिनेनिकी	27.2 00 (19.2) 0	4.288.20 10.088.10 10.088.	**************************************	2 2 2 2 2 2 2	Br.Co.	A J Armstrong G K White With the Jahobin W Halpin M Walsh W Walsh W Drint watt A J Armstrong F P McCormice Go J O'Connor Go J O'Connor Go J A J Armstrong J M Graham William J Wilwell Will Workell William J Wilwell Elle & Mahone T Brosnahan	White White this was to brink water and a second was to be well as a common water was to be well as a common was to be well as a
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Statement of Streets Paved With Macadam at Close of Fiscal Year Ending April 16, 1900.-Continued.

p	Lineal Square Price per Remarks Contractor Price	1200.00 2.584.50 5.844.50 1.300.00 2.584.50 1.300.00 2.301.00	
Maintenance	Expires	Dec. 29, 1895	Statement of Statement of
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	A	Broadway Brospect pl Baltimore ave Forest ave Indiana ave Oak st. Troost ave Troost ave Cherry st. Nedee st. State st.	
	From	Wyandotte st. Cleveland ave s W blyd Grand ave froost ave froost ave froospet ave Marit st. Marit st. Wyandotte st. Broadway Rroadway Rroadway Thirty-third Ath st. Nigh st. Thirty-filth st.	
	Street	Third st. Twelfth st. Twenty first. Twenty first. Thirty first st. Sigh st. Wabash sve. Wabash sve. Wabash sve. Wabash sve. Wabash sve.	

Statement of Streets Paved with Cedar Blocks at Close of Fiscal Year Ending April 16, 1900,

1		1
	Contractor	22 Geo. J. Baer 23 Geo. J. Baer 24 Jateks & Rebinson 25 Jan. B. Smith & Co. 26 J. B. Smith & Co. 26 J. B. Smith & Co. 27 J. B. Smith & Co. 24 J. B. Smith & Co. 24 J. B. Smith & Co. 24 J. B. Smith & Co. 25 J. B. Smith & Co. 26 J. B. Smith & Co. 27 Andrew Jateks 17 Andrew Jateks 16 Andrew Jateks 16 Andrew Jateks 16 Andrew Jateks 16 Jateks and Robinson 27 Jateks and Robinson 27 Jateks B. Smith & Co. 27 Jateks Andrew Jateks 40 Andrew Jateks 41 J. Robinson & Co.
bra	Cost Square Y	80888888888888888888888888888888888888
	Square	4,334,00 1,528,00 1,728,00 1,728,00 1,728,00 1,728,10 8,481,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00
	selik	######################################
	Lineal	1,134.00 074.00 134.00 145.00 1,024.00 1,024.00 1004.0
Accepted	Date	Nov. 14, 1888 Oct., 30, 1888 Oct., 16, 1880 Oct., 2, 1889 Oct., 2, 1889 Aug., 1881 Nov., 14, 1880 Oct., 16, 1889 July 1, 1887 July 1, 1888 Oct., 16, 1889 July 17, 1889 July 17, 1889 July 17, 1889 Dec., 2, 1886 Sept., 24, 1888
26	Years	111111111111111111111111
Sand Sand Sand Inches Concrete Programmer Conc		22 CX5 C2 . 225 D
Pour	Inches	
	2	Twenty-first st. Broadway Ninth st. Tenth st. Independence ave Wahnut st. Stree Line Stree Line Street ha. S. W. Boulevard Belt Line Ry Oak st. S. W. Boulevard St. Lonis ave Madison ave S. W. Boulevard Eighth st. Tenth st. Forth st. Dorn ave Bales ave.
	From	Eighteenth st. Central st. Riphth st. Nuth st. Fourth st. Second st. Delaware st. Delaware st. Bighth st. Sixteenth st. Sixte st. Broadway. Broadway. Broadway. Broadway. Broadway. Sixth st.
	Street	Chestnut st. Eighth st. Fighth st. Fighth st. Jefferson st. Jeferson st. Maln st. Missouri ave. Missouri ave. Seventh st. From st. From st. From st. From st. From st. Kastington st. Vine st. Vine st. Washington st.

. Repayed with Asphall Sixteenth to Twentleth St.

Statement of Streets Paved With Stone Blocks at Close of Fiscal Year Ending April 16, 1900.

	Remarks Contractor	Rep'ved & repa'rd George Todd Repley & Arrent Repsyed Repsyed Reforming Result Result Reconstructed	
	Cost per	高されるないないないからい。 では、 では、 では、 では、 では、 では、 では、 では、 では、 では、	
	Square Yarda	4,577,00 2,435,10 3,978,10 4,588,37 6,688,30 9,70,10 9,70,10 9,70,10 1,240,00 1,240,	11,829,00 47,458,17
	Lineal	235.00 21113.00 21113.00 2113.00 2123.	11,829,00
Maintenance	Years Fig.	846 884 885 888 884 884 885 885 885 885 885	
	Accepted	Jan. 7, 188 Jan. 7, 188 Jan. 8, 188 Jan. 8, 188 Jan. 4, 188 Mar. 26, 188 Jan. 26, 188 Jan. 16, 188 Jan. 31, 188 May 12, 188 May 12, 188 May 12, 188	
Founda-	pars	A sees Hanne of	
Pol	Constite	225 2 000000 000	
	g	Bluff at bridge. 9 Grand ave. 6 Bluff at the st. 6 Bluff at the st. 6 Front at 8 Siline st. 8 Crand ave. 0 Wahut st. 6 Bell st. 6 Grand ave. 6 Bell st. 6 Grand ave. 6 Brits st. 6 Brits s	
	From	Piffs st. Belaware st. Benadway Third st. Third st. Third at. Third at. Third at. I man at.	o date, 2.24 milles.
	Sirect	Bluff at Eighth at Eighth at Freventh at Frith at Grand ave. Mill st. Santa Fe at Santa Fe at Saventh at Twelfth at Twelfth at Twelfth at Manners Wannforte at Wannforte	Total paved to date, 2.21

Statement of Streets Paved with Vitrified Brick at the Close of Fiscal Year Ending April 16, 1900.

	Contractor	E. F. Schroeder T. K. Musselman F. P. McCormick. H. S. Trestrall Fred Feigel J. E. Faris Fred Feigel M. Mense Fred Feigel M. Mense Fred Feigel M. Mense B. F. Schroeder B. J. Boyd P. & C. Co A. R. Mense C. L. Poweil C. L. Poweil Trestrall Pay Go M. Mense M. Mense M. M. Trestrall M. Mense M. M. M. Mense M. M. M. Mense M. M. M. Mense M. M. Mense M. M. M. Mense M. M. M. Mense M. M. Mense M. M. M. M. M. M. M. Mense M. M
pra	Cost pe	######################################
	Square	2.713.20 1.294.90 1.654.00 2.655.00 2.655.00 1.157.90 2.116.90 2.1
	SoliM	198 98 98 98 98 98 98 98 98 98 98 98 98 9
	Lineal Feet	812.00 447.00 447.00 447.00 447.00 446.00 44
Maintenance	Expires	5 May 22, 1904 5 Aug. 77, 1009 5 Apr. 27, 1886 5 Oct. 27, 1897 5 Oct. 28, 1907 5 Sept. 29, 1899 5 Oct. 28, 1907 5 Sept. 29, 1899 5 Nov. 13, 1902 5 Nov. 13, 1902 5 Nov. 13, 1902 5 Nov. 13, 1902 5 Nov. 13, 1903 5 Apr. 18, 1908 5 Apr. 18, 1908 5 Apr. 18, 1908 5 Apr. 18, 1908 5 Apr. 28, 1908
N.	Years	
	Accepted	May 29, 1899 Aug, 17, 1898 June 11, 1898 June 11, 1898 Oct. 20, 1896 Sept. 29, 1895 Sept. 27, 1897 Sept. 7, 1897 Sept. 18, 1897 Mar. 18, 1897 Mar. 18, 1898 Mar. 28, 1898
-	Inches	encence+nna encencencencencencence
Specifica-	Spaces Betwen Bricks	P. C. G. G. Sand d. G.
	To	Askew ave Indiana ave Thirteenth st Fitteenth st Fitteenth st Fitteenth st Twelfth st Twelfth st Thirteenth st Twenty-first st Southwest blud Cen, line of 17th st Cen, line of 17th st Southwest blud Cen, line of 12th st Southwest blud Cen, line of 12th st Southwest blud Cen, line of 32d st Southwest blud Stateenth st Twentleth st Twentleth st Fighth st Twentleth st
	From	st s
	Street	Anderson ave. Indiana ave. Brooklyn ave. Thirteenth st. Battimore ave Thirteenth st. Brooklyn ave. Thirteenth st. Brooklyn ave. Thirteenth st. Braitmore ave Twenty-third Baltimore ave Twenty-third Baltimore ave Twenty-third Baltimore ave Twenty-third Baltimore ave Twenty-first Baltimore ave Twenty-first Baltimore ave Cen. Jine of Save Tries Baltimore ave Save Twenty-first Baltimore ave Save Save Twenty-first Baltimore ave Save Save Save Save Twenty-first Baltimore ave Save Save Save Save Save Save Save

Statement of Streets Paved with Vitrilied Brick at Close of Fiscal Year Ending April 16, 1900. - Continued.

			Specificat'ns	. 118		100		WALLING HARING			-		p	
Street	From	ę.	Spaces Brick	Concrete	Accepted	Years	Bxj	Expires	Lineal		Miles	Square Yards	Cost per Square Yar	Contrastor
Eighteenth at Eighteenth st	at Olive at. Troost ave.	Prospect ave Forest ave Broadway		-	3,830	1010101	Oet. April	10, 190	1000	616.00 314.00 285.80	2190 :8	2,169,50 1,291,00 1,612,80	8 1 70 1 475	M. Mense Lillis & Glennon Fred Felgel
	Sixteenth st Broadway	Nineteenth st Main st.	_		68.5	31-101	June	á = i		306.90	:83	3,880.00	200	S. F. Schroeder
::.	Walnut st Delaware st Dennavivanja ase	Grand ave	Sand	plo blo	May 16, 1891 July 25, 1804	a ka ka	May			280,00		1,058.00	1 895	F. P. McCormiek
· # :		Madison ave	33	40	133	1010	Oct.	18, 1899				388.c0	1 485	
	£	Summit st. Wyandotte st	::	old J	-1:	1010	Feb.		-		25.2	1,003,10	1 47	G. E. Holmes F. P. McCormie
B.V.	Holmes st	Troost ave.	:::	50	:8:	000	Feb.		_			1.119.00	1 689	Trestrail & Bros'n
11	First at. Tweifth at	Sixteenth st.	8. A. C.	20		a 40	Nov.	PR. PR.)	-			6.878.00	100	OMI
110		Righth st	-	-	85	0.0	April			-	-	2,425.40	193	
: :	Independence ave	Seventh st.	-	_	19	010	July.	-		512,00		2,207,70	1 27	317
1	Fifth st.	Pacific st	Grout	501	58	0.00	Nov.	-				2.258.50	1 109	
3.3	Breeze room	Twelfth st	M. G.	0 41	80	-10	April			8.29.00		8.40.50	123	S. P.
, ve	The transfer	st. Louis ave.	_	300	g o	010	May	_	3 9	250,00	900	98-6.00	1 87	00
Hickory at	St. Louis ave.	Fifteenth st	-	_	Ang. 27, 1895 Dec. 4, 1897	1010	Aug. Dec.	4, 1902		99,	14.	8,980.50	1 195	
		Independence ave	P.C.0.	99	Tune 13, 1899	1-1-	June	5, 1906		1.180.00	: :	4.016.40	1 519	S. F. Schroeder
1.1	AVII	Eighth st	::	_	10,1	1-1	Ang.	-		000000	7	0.818.10	1 54	Parker-Wash, C.
Indiana ave	Independence ave	Anderson ave	Sand	100	Sept. 13, 183	- 15 15	Sept.		-	10	.00	5, N335 50 1, 208, 00	1 745	Geo.

Statement of Streets Paved with Vitrilied Brick at Close of Fiscal Year Ending April 16, 1900.

Statement of Streets Paved with Vitrilied Brick at Close of Fiscal Year Ending April 16, 1900.-Continued.

			Specificatins	t'ns		Maintenance	ance				pı	
Street	From	40	Space Brick Brick	Concrete	Accepted	Etan?	Sapires	Lineal Feet	Miles	Square	ar stamps.	Contractor
	Walrond ave Broadway Santa Fest Santa Fest St. Louis ave Holmes st. Bonnes st. Santa Fest Santa Fest Santa Fest Santa Fest Santa Fest Santa Fest Righteenth St. Malnut st. Malnut st. Moodland ave Granda ave Granda ave Cranda st. Troost ave Woodland ave Central st. Troost ave Walnut st. Troost ave Woodland ave Central st. Troost ave Wyoning st. Troost ave Walnut st. Line In st. Walnut st. Troost ave Wyondotte st. Wyondotte st. Wyondotte st. Walnut st.	Indiana ave Delaware st. Union ave Flora ave Flora ave Flora ave Flora ave Turner & Co.'s add Turner & Co.'s add Turner & Co.'s add Meln st. Medee st. Medee st. Medee st. Medee st. Medre st. Modre st. Delaware st. Olive st. Monroe ave Fraspect ave Fraspect ave Fraspect ave Fraspect ave Fraspect ave Fraspect ave Frasp ave Fraspect ave Frasp ave Fraspect ave Frasp ct ave Frasp ave F	P. C. G. A. Cem Sand A. Cem Sand A. Cem Sand Sand A. Cem Grout Sand Grout Sand Grout Sand Grout	000+0+000++0000000000000000000000000000	######################################		11.11.11.11.11.11.11.11.11.11.11.11.11.	688.29 30.060.20 30.060.20 20.060.20 20.060.20 11.17.20 11.17.20 11.17.20 11.17.20 11.17.20 11.13.00 11.20.00 1	98284589888 258 : : : 25258624982	1,610.29 1,602.00 1,400.00 1,210.20 1,210.20 1,214.70 1,1468.40 1,1468.40 1,1468.40 1,1468.40 1,1468.40 1,148.40 1,148.1	28888888888888888888888888888888888888	MARTHAR BOYNER LEADER LA LA RESERVANTA LA LA LA RESERVANTA LA LA LA RESERVANTA LA LA RESERVANTA LA LA RESERVANTA LA LA RESERVANTA LA RESERVAN
Thirteenth st. Thirteenth st. Twelfth st	Grand ave. Liberty 8t. Broadway	Flora ave. Hickory st. Main st.	Grout	Old	Nov. 30, 1894 Oct. 8, 1895 Nov. 9, 1893	5 Nov.	0, 1899 8, 1900 9, 1898	200.00 1,408.00	222	10,848,00 950,10 8,417,70	828	J E Faris F P McCormick Jas O'Donnell

Statement of Streets Paved With Virrified Brick at Close of Fiscal Year Ending April 16, 1900. - Continued.

			Specificatins	this			Mair	Maintenance				p.re	
Street	From	13	Space Brick Brick	Concrete	Accepted		Years	Expires	Lineal	asliM	Square	ed tsoO	Contractor
Twelfth st		Troost ave.	Sand	000	3	8,1598	5 Aug.		8,691,00	238	1,644.10	\$1 39 1 78	James O'Donnell CL Powell
Twentleth st.	Southwest blvd Mulberry st.	Oak st. Hickory st.		No.		117, 1896	5 Aur.		2,023,00	388	7,986.90	101	R. J. Boyd P. & C.Co.
Twelfth st	Southwest blvd Hickory St.	Liberty st.	Grout	NO	Inne 1	9, 1807	5 June	-	206.00	3	482.70	11.00	M Mense R J Boyd P & C Co
Thirteenth st.		Woodland ave	Sand	250			5 Apr.	00 04 01	1,649.10	:	6.614.50	1 45	M Mense
- 197	Fifth st.	Independence ave	Grint	20			5 Aug.		1,889.50	::	1,608.10	1 585	S.F. Schroeder
bird.	Troost ave	Lydia ave Holmes st		991			5 Oct.	26,1	5-14.80	11	1,649.60	1 585	M Mense Trestrail Pay Co
Troost ave	Fifth st	Pacific st	P. C. G.	0 20			5 Oct.	17.0	6-5,00	::	2,825,70	1 483	Walter Hickman
Troost ave	Pacific st	Independence ave		00	fune fuly 1		5 July	ž ž	630,00	1	1.915.70	1 5455	M Mense
Twenty-third,	Brooklyn ave	Olive ave	::	80			7 Aug.	20,7	1,409.00	::	4.825.30	1 51%	
24th st	Charlotte st	Campbell st	1 2	90	Apr. 1	6, 1899	5 Apr.	18,1	381.00	70:	1,295,00	1 47.7	A F Schroeder
	Nineteenth st.	Twenty-third st	Sand	99	Aug. 1	1, 1899	7 Aug.	11,8	1,828.00	80.	1,418,20	1 55	Trestrail P Co F P McCormick
ve.		Fourteenth st	Grout	75		1, 1897	5 Aug.	5	1.822 60		8,814,60	1 475	RJ Boyd P & C Co
		K. C. Belt Ry.	A. Cem.	90		8, 1800	5 Nov	25.1	508.00	7.2	1,132.00	1 50	F P McCormick
Woodland ave Twelfth st		Fifteenth st	::	90			5 Mas	12.21	1,424.00	440	916.20	1 76	Jas O'Donnell Trestrail Pay, Co
Washington		Southwest blvd	:::	20)			5 Nov	10,1	9.975,00	2,8	3,805,00	22	Geo J Baer F P McCormiek
Walnut st Walnut st	Third st. 75 ft north of Second st. Fifteenth st.	Fourth st. Third st. Bighteenth st.	Gront M. Gr't	100	June 1	7. 1896 1. 1896	5 June 5 June 5 Nov.	e 17, 1901	1.847.00	388	1,182.20	182	h C B & C Co has Hamilton Walter Williams

Statement of Streets Paved with Vitrified Brick at the Close of Fiscal Year Ending April 16, 1900.-Continued.

	Contractor	Fred Feigel M. Mense M. Mense Fred Feigel Fred Feigel Frestrail Pav Co Frestrail Pav Co Mar Kinlin Marker Wash. Co A. R. Mense	
pan	Cost per Square Y	2224988888	
	Square	9,201,50 1,201,80 2,624,60 1,378,00 667,30 1,647,40 1,649,10 2,505,10 2,505,10	577,911.70
	Sellik	THILLIAM	
	Lineal	465.00 465.00 465.00 465.00 460.00 601.00 767.00	168,254.11
Maintenance	Expires	Nov. 14, 1902 Aug. 12, 1902 Dec. 30, 1902 Dov. 16, 1903 Nov. 16, 1903 June 11, 1904 June 28, 1904 June 28, 1904 June 28, 1904	
6	Accepted	May 14, 1807 5 Aug. 12, 1807 5 Dec. 20, 1807 5 Dec. 20, 1807 5 Nov. 16, 1808 5 May 1, 1808 5 May 2, 1809 5 June 23, 1809 5 June 23, 1809 5	
Concrete E G		Neeseeses	
Spaces Betwen Hicks Bricks		Sand Grout	
	To	Liberty st. Seventeenth st. Southwest blyd Tunth st. w end of Wall st. Twenty-fourth st. Statenth st. Twenty-fourth st. Twenty-fourth st. Twenty-fourth st.	
	From	Sixteenth st. Sixteenth st. Sixteenth st. Siventeenth st. Wanadotte st. Twenty-third st. Twenty-third st. Twenty-first st. Twenty-first st. Twenty-first st. Twenty-first st.	
	Street	Wyoming st. Sixteenth Wyandotte st. Sixteenth Wyandotte st. Seventeen Woodland ave Ninth st. Wall st. Wy Prespect pl Twenty-th Washington st Fourteent Washington st Ninth st. Washington st Ninth st. Washington st Ninth st. Woodland ave Twelfth	

31.36 Miles Vitrified Brick Paving at close of fiscal year April 16, 1900.

Repayed 4,300 lineal feet.

ELEVENTH ANNUAL REPORT

OF THE

SUPERINTENDENT OF STREETS

For the Fiscal Year Ending April 16, 1900.

To the Honorable Board of Public Works, Kansas City, Mo.

Gentlemen:—I herewith submit to you a report of the operations of the Street Department for the year ending April 16, 1900, showing by tabulated statements how and for what purposes the funds apportioned to the Department have been used.

Respectfully yours,
WM. M. SLOAN,
Superintendent of Streets.

SUMMARY.

PAY ROLL AND ACCOUNTS.

1899.	April 18th to 30th, Pay Roll Bills Paid	\$5,557 141	14 05	\$ 5,698 19
••	May, Pay Roll Bills Paid	8,923 2,256	90 79	11,180 69
••	June, Pay Roll Bills Paid			8,663 99
••	July, Pay Roll Bills Paid	. 8,017 . 1,804	04 13	9,821 17
••	August, Pay Roll Bills Paid	5,392 933		6,326 69
••	September, Pay Roll "Bills Paid	5,767 2,141	08 10	7,908 18
••	October, Pay Roll	665	19	5,673 68
••	November. Pay Roll Bills Paid	3,536 1,440	44 30	4,976 74
••	December, Pay Roll Bills Paid			4,668 12
1900.	January, Pay Roll	4,170 302	27 11	4,472 38
**	February, Pay Roll Bills Paid			3,061 78
**	March, Pay Roll			4,243 49
••	April, 1st to 16th, Pay Roll	. 2,084 666	28 69	2,750 97
	Total		į	79,446 07

Distribution of Pay Rolls from April 18, 1899, to April 16, 1900.

	Distribu	non non	Distribution of ray Rolls from April 10, 10 22, to April 10, 1200	תטווו עלט	rii 10, 10	27, 10 17	brit 10,	1000	-	
Months 1899	Superin- tendent	Clerks	Inspectors	Foremen	Carpen- ters	Masons	City	Laborers	Teams	Totals
April 18th to 30th. May June July August September October November January—1800 February February March. April 1st to 16th	40 14 15 15 15 15 15 15 15 15 15 15 15 15 15	88888888888888888888888888888888888888	25 25 25 25 25 25 25 25 25 25 25 25 25 2	25.25.25.25.25.25.25.25.25.25.25.25.25.2	268862383832 89886538838388	21.18 21.18	224662645333333 548688688688 548688688	88,104 94 6,1381 44 6,1381 44 6,1381 44 8,009 90 2,2846 95 1,4848 94 1,4848 94 1,4848 94 1,218 94 1,218 94 1,218 94	** 808 91 1,717 49 1,680 68 1,711 66 1,711 66 1,711 66 1,711 66 1,717 48 118 68 121 20 660 91	\$5,558 19 8,5558 10 7,848 31 7,848 31 5,436 86 5,776 89 8,736 38 8,718 38 4,170 27 2,848 34 2,185 52 2,848 71
Totals	\$2,000 00	\$1,800 00	\$1,800 00	\$2,428 72	\$710 71	\$1,626 01	\$595 00	\$18,319 12	\$16,218 40	\$65,192.98

Miscellaneous Expense.

Months lyse	Salaries of Supt. and Clerks	Nature of Salaries of Of Horses in Supt. and Salaries of and Mules ('lerks Inspect'rs and fur. of Same of Same	Meint'n'ce of Horses and Mules and Pur. of Same	Implm'nts and New Tools	Repairs	City Yard. 20th and Vine. Maintin'ce	Totals
April 18th to 80th.	#187 35	90 £3 *		72 65			80.6
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Total*	\$3.440 GO	\$1.840 CO	35 07:3	25 E.S. 58	PART N	\$107.31	25. 857.08

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Summary—April 18, 1899, to April 16, 1900.	otal expense on afterets.
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	Total expense on streets	_	6.785	200	Commence value of marchial on Land	Total
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Total

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Work Distributed on Alleys.

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Miscellaneous Work

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ANNUAL REPORT

OF

A. WALLACE LOVE,

SUPERINTENDENT OF BUILDINGS.

For the Fiscal Year Beginning at Noon, April 17, 1899, and Ending at Noon, April 16, 1900.

Kansas City, Mo., April 16, 1900.

To the Honorable, the Board of Public Works, Kansas City, Mo-

Gentlemen:—It is my pleasure to present you herewith the annual report of the operation of the Department of Buildings for the fiscal year beginning at noon, April 17, 1899, and ending at noon, April 16, 1900.

Compared with reports of former years a substantial and very gratifying increase is shown, both in the number of permits issued and the aggregate cost of improvements. For illustration, the business done since 1893, during each fiscal year, follows: 1893, 1,363 permits, \$998,740; 1894, 1,737, \$1,418,690; 1895, 1,773, \$1,601,080; 1896, 1,845, \$1,387,370; 1897, 2,331, \$2,001,310; 1898, 3,146, \$3,209,010; while for the fiscal year 1899, just closed, there have been issued 3,604 permits at a total cost of \$4,205,620, showing an increase of 458 in the number of permits issued at an increased cost of \$996,610.

Many predictions were made twelve months ago by architects, building contractors and the public generally that owing to the increased cost of all classes of building material building operations would receive a serious set-back in Kansas City. My report tells a very different story, and goes to verify the oft-repeated statement that Kansas City is rapidly increasing in population and wealth.

A very large per cent of the amount spent for building the past year went toward the construction of houses for our people, and that per cent is increasing year by year, showing that the increase in building and population is keeping pace close together.

The possibilities of Kansas City as a city of commerce and homes is limitless, and it will keep on growing and expanding until those of our young men who are now upon the threshold of a business career will, in their declining years, be the honored leaders in the greatest city of commercial activity the world has ever seen.

I am proud to state that during my incumbency of the office of Superintendent of Buildings no serious calamity has occurred, in the way of collapse of buildings, that would tend to throw discredit upon the department. This is especially gratifying when it is considered that many other cities periodically meet with appalling disasters involving great loss of life in the collapse of large buildings.

Unusual care has been taken by the department to avoid imperfect and improper construction, as well as to prohibit the overloading of buildings, and to this I largely attribute our city's escape from the calamities which have in recent years overtaken other cities in the collapse of buildings with the attendant loss of life.

There were 235 official notices of various kinds served, thirty-seven of which were to tear down old, dilapidated buildings and fifty to repair and make safe other dangerous buildings. The remaining 148 notices covered various violations of the city ordinances and have generally been complied with without having to resort to extreme measures, except in a few aggravated cases.

Receipts from the city treasurer show \$3,203.95 in fees deposited, which amount corresponds with the books of the city comptroller.

The pay roll of the department for the year was \$8,883.24, and the expenses were \$150.00 less than the apportionment.

The semi-annual inspections of the manufacturing, mercantile, mechanical and other establishments within the city have been made during the past year and in accordance with law have been submitted to the state labor commissioner.

In my last two annual reports I have urged the great necessity of additional facilities at the city hospital, and recommended \$25,000 as the minimum amount necessary for that purpose. So far, with the exception of a small frame annex, nothing has been accomplished toward this much needed improvement, on account, as explained, of a lack of funds. I trust that the coming summer will witness the inauguration and

completion of this much needed improvement. I would especially urge that an extra boiler be added to the heating plant at the city hospital so that in case of a break-down of the boiler now in use the hospital building would not be left without heat.

Several interior changes in the office arrangements of the city hall should be made in order to properly accommodate the growing business of the several departments. The upper and lower house council chambers need redecorating very badly. The city hall should be cleaned and painted on the outside and cleaned and decorated throughout on the inside.

The city market business, which is constantly growing each year, requires, and should have, increased facilities. It is a shame that a business which pays Kansas City as much net revenue as its market should be so woefully neglected. The alley between the city hall and market house would be a disgrace to a side street in Harlem. It should be paved at once. The market house should receive its heat in winter from the city hall plant. It would be much cheaper and much better in every way. The asphalt walks, both outside and inside the market house, are very badly in need of repairs and should have immediate attention.

There should be one good, all-around man constantly employed on repairs at the various city buildings, viz:-the city hall, city market house, city work house and city hospital. It would be much cheaper and the work would be much more satisfactory in the end, where one man would be held responsible for all the repairs, rather than to have a half dozen differeat men employed two or three days each per month on various small repairs.

The following tables show a complete record of the business for the year just closed:

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Work Distributed on Streets.

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Work Distributed on Alleys.

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Total	5,262	\$ 3,695 21	ह इ	911 76 182 25	\$20 CT	\$20 57 57	* 118 G7	20 202 \$	\$ 118 67 \$ 262 92 \$ 180 08 \$ 122 20 \$	\$ 122 20	8 4.5.8 96

Total Permits Issued for Excavations from April 18, 1899 to April 16, 1900.

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April 1st to 16th	片	. .	: 3	×	71	=	¥	<u>.</u>

Miscellaneous Work

			H	Яt	Street Signs	zignz.	Miscellaneous	Bneous	
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April 1st to 16th	:	3 7	:	81 41			7 ::	10 35 01	7 03I

ANNUAL REPORT

COP

A. WALLACE LOVE,

SUPERINTENDENT OF BUILDINGS,

For the Fiscal Year Beginning at Noon, April 17, 1899, and Ending at Noon, April 16, 1900.

KANSAS CITY, Mo., April 16, 1900.

To the Honorable, the Board of Public Works, Kansas City, Mo.

Gentlemen:—It is my pleasure to present you herewith the annual report of the operation of the Department of Buildings for the fiscal year beginning at noon, April 17, 1899, and ending at noon, April 16, 1900.

Compared with reports of former years a substantial and very gratifying increase is shown, both in the number of permits issued and the aggregate cost of improvements. For illustration, the business done since 1893, during each fiscal year, follows: 1893, 1,363 permits, \$998,740; 1894, 1,737, \$1,418,690; 1895, 1,773, \$1,601,080; 1896, 1,845, \$1,387,370; 1897, 2,331, \$2,001,310; 1898, 3,146, \$3,209,010; while for the fiscal year 1899, just closed, there have been issued 3,604 permits at a total cost of \$4,205,620, showing an increase of 458 in the number of permits issued at an increased cost of \$996,610.

Many predictions were made twelve months ago by architects, building contractors and the public generally that owing to the increased cost of all classes of building material building operations would receive a serious set-back in Kansas City. My report tells a very different story, and goes to verify the oft-repeated statement that Kansas City is rapidly increasing in population and wealth.

A very large per cent of the amount spent for building the past year went toward the construction of houses for our people, and that per cent is increasing year by year, showing that the increase in building and population is keeping pace close together.

The possibilities of Kansas City as a city of commerce and homes is limitless, and it will keep on growing and expanding until those of our young men who are now upon the threshold

REPORT

OF THE

Superintendent of the Water Department,

For Fiscal Year 1899.

Kansas City, Mo., May 1, 1900.

To the Honorable Board of Public Works:

Gentlemen:—I herewith submit report of operations of Water Department for Fiscal Year ending April 16th, 1900.

Respectfully,

D. W. LONGWELL, Superintendent.

OFFICERS OF THE WATERWORKS DEPARTMENT.

Water Commissioners-GRO. S. GRAHAM, President.

GEO. P. HARDESTY,

M. V. WATSON,

B. T. WHIPPLE.

Secretary, R. M. GODFREY.

Superintendent, D. W. LONGWELL.

Chief Clerk-Chas. E. RICKERT.

Engineer-WYNKOOP KIERSTED.

Assessor and Collector Water Rates-C. S. SQUIER.

Chief Clerk--J. B. LAWRENCE.

Engineer in Charge Turkey Creek Station—JOSEPH L. CHAPMAN.

Engineer in Charge Quindaro Station—JOHN F. SICKELS.

RECEIPTS AND EXPENDITURES FOR YEAR 1899.

1	Expenditures	Receipts
Receipts Balance on Hand April 17th		\$397,684.83 177,263.41
Operating Expenses		·
Betterment	161,702.89	
Interest	137,992.50	
Cash Balance	125,925.67	
	£574,948.24	\$574,948.24

PAY ROLLS AND VOUCHERS.

Department.	Pay Rolls.	Vouchers.	Total.
Superintendent, Engineer and office	\$ 7,479.16	\$ 641.83	* 8,120.99
Street Division	11,530.28	3,311.10	14,841.38
Inspection Division	. 12,893.88	1,364.73	14,258.61
Meter Division	6,729.81	1,290.00	8,019.81
	21,285.04	19,591.56	40,876,60
Quindaro	15,978.67	18,825.93	34,804.60
Betterment	14,253.13	24,284.95	38,538.08
Miscellaneous	969.30	4,577.74	5,547.04
Assessor and Collector	10,516.90	2,215.50	12,732.40
Barn	2,154.00	2,792.71	4,946.71
Construction	. 3,272.42	1,740.46	5,012.88
Appropriations	19,107.84	104,056.97	123,164.81
Rebates and Refunds	****	113.35	113.35

\$126,170,43 \$184,806,83 \$310,977.26

Expenditures During Fiscal Year Ending April 16, 1900.

- nug	Total	866845488888888888888888888888888888888	188,010.83
Meter Division	Vouch-	を 1 と 2 日本 2	91,200 00
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iston	Total	######################################	11,959.01
Inspection Division	Vouch-	######################################	81,384 73
Inspe	Rolls	######################################	\$13,803 AN
no	Total	\$448.72 1,285.15 1,285.15 1,000.41 1,400.85 1,500.90 1,100.80 1,00	811,841.88
Street Division	Voueb-	2000年 2	88,311 10
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Engr. and	Vouch.	251555155855 251555158855 2525555	8641 83
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	Months 1840	April 17 to 30 May June June June June June June August August September October December January 1500 Feltruary March April 1 to 16,	Totals

Expenditures During Fiscal Year Ending April 16, 1900,-Continued.

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Expenses During Fiscal Year Ending April 16, 1900-Continued.

Months	ASSSESS	or and Col	lector		Barn	Division	TH.	9	Jonstruction	n	Y	Appropriation	ns
1809	Pay	Vouch- ers	Total	Pay Rolls	-	rouch-	Total	Pay Roffs	Vouch-	Total	Pay Rolls	Vouchers	Total
April 17 to 80 \$	1889 200	\$ 128 86 \$	461 08	7. 7.R	8 02 8	9 90 8	87	Transport.	\$ 107 08	80 701 8	\$ 1,760 54	\$ 5,215 11	.\$ 6.075 65
May	-			18		251 73	481	\$ 190 S	3000		-	8,193	
June	_			X		113 80	250	545	137		-	0,285	
July				18		400 62	5NG	203	16			901	
August	_			18		114 18	201	8:38	96	53		16,008 2	
September				32		274 65	454	159	2000	-		47	
October				32		801 73	481	467	88			26,998	
November				18		250 SB	409	208				14,108	
December	_			35		50.0 14	380	315	350	•	-	11,410	
January-1900.	_			15		878 94	528	398	3,6	-		12,702	
February	_			:0		244 18	449	185	200	-		657 (
March	-			J.K		174 98	351	一切	201		-	101	
April 1 to 16	~ 1			6		88 00		163	11	201		J	
Totals	10,516 90	\$ 2.215 50 \$	19,732 40	\$ 2,15	\$ 00 4	9.792 71 8	4.946 71	\$ 3,272	42 5 1,740 46 5	8 5,012 88	\$ 19,107.84	\$ 101,056 97	\$ 123,164 8

Expenses, During Fiscal Year Ending April 16, 1900-Continued,

Months	Rebate	Rebates and Refunds	spunja	Summary	nary		
1.509	Pay Rolls	Pay Voueh- Total	Total	Department	Pay Rolls	Pay Rolls Vouchers	Total
April 17 to 8"				Supt. Engr., and office \$	\$ 7.479 18 \$	\$ 611 81/8	8,120 9
May	in laste in	Table of Street of Street of Street		Street division			11,841 88
June	. 41 .41	*********	Const or	Inspection division	12,893 88	1,364 78	14,258 6
July		(a beauties)		Meter division	6,729 81	1,290 00	8,019.8
August		Velindes.	No. of Section	Turkey Creek.	21,285 04	19,591 56	40,876 6
September	11111111	Contract of		Quindaro	15.978 67	18,825 93	31,804 6
October	-	8 69 17 5 69 17	5 69 17	Betterment	14,253 13	24.284 95	38.538 0
November.			The same	M'scellaneous	969 30	4,577 74	5,517 0
December		10 4	4 06	Assessor and collector	10,516 90	2,215 50	12,732 4
January-19 10		31 08	31 08	Barn	9,154 00	2,792 71	4,946.7
February	Name and	10 6	9 01	Construction	8,272,42	1,740 46	5,012.8
Ma ch.	to the		income.	Appropriations 19, Relates and refunds	19,107 84	104,056 97	123,164 8
Totals	10	\$ 113 35 \$ 113 35	\$ 113 35	Totals Totals 134,806 80 8 310,077 26	\$ 126,170 43	\$ 184,806 8u \$	310,977 2

May 1, 1900.

D. W. LONGWELL,

Superintendent Water Department.

Sir:—I herewith submit my annual report of the Street Division of the Water Department, showing work of construction and repair for fiscal year ending April 16, 1900. Respectfully.

J. S. CANNON,

Street Foreman.

Inventory of Material Used and Stock on Hand April 16, 1900, by Street Department.

Cast Iron Pipe.

			On 1	iand
Size	Recieved	Disposed of and Laid	Apr. 17th. 1849	Apr. 16th., 1md
			Lineal Feet	Lineal Feet
- Inch		ra)	125	7:
,	2.452	2,451	2.0 0	2.34
6	45,252	5.021	12.371	2.772
~ · · ·	13.90%	15.512	1.425	1.524
10	6,326	4.(84)	198	in.
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Report of the Work Done by the Street Division of Water Department from April 17, 1899, to April 16, 1900.

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	Loads Hauled		######################################	750
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	7	12-in		186
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2	-	6-in	2084 10728 10728 10728 10728 10738 1	58796
		4-in	488888888888	2816
Lead	Le'ks	Repaired	H 124000 11-30 11-40	E
Cub.	Feet	for other than pipe	600 2500 11000 1200 1200 1200 1200 1200 1	20232
Cubie	Feet	Excavali'n for Pipe	24000 81058 81058 81058 81058 60384 49712 27072 27072 27072 27072 28120 16000 40240 40240	630680
	Valves	Valve tos stavol	-19888882 : xxx-	206
es	n Va	perpedsul	582 288	10,1517
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		Repacked	2848888888888	305
	Hydrants	Inspectins	2712 2712 2713 4481 1090	11012
		New	w H H H H H H H H H H H H H H H H H H H	160
ants	Work on	Repaired	arasasarasasar	212
Hydrant		Tested bus bello	8225525	738
	scellaneous	Reset	20-302-0 1-2	100
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Extension of Water Mains by Ordinance, -- Continued.

	Pavements	154 yds asphalt 75 yds asphalt 7 yds asphalt 7 yds asphalt 7 yds asphalt 5 yds asphalt 5 yds asphalt 6 yds asphalt 7 yds asphalt 7 yds asphalt 7 yds asphalt 7 yds asphalt 7 yds asphalt 7 yds asphalt 7 yds asphalt 7 yds asphalt 7 yds asphalt 7 yds asphalt 7 yds asphalt 7 yds asphalt
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	Location of Main	Tracy, 28th to 30th Bales, 4th to 15th 22td, Campbell to Harrson. Central, 36th to Hanover. Cypress, Independence to Smart Missouri ave, Woodland to Maple. 22td, Charlotte to Campbell Belleview, Thi to 38th. Benton blvd, 25th to 31st, Summit, 17th to 38th. Hanover, Broadway to Summit. 37th, Summit to Belleview Ferenon, 38th to Ranover. Chestmat, 23td to 25th. Struce, Independence to Garner Victor, Prospect to Benton Oth, West Prospect to Benton Oth, West Prospect to Benton Oth, West Prospect to Benton Oth, West Prospect to Benton Charlotte, 23td to 18th. Elmwood, 9th, to 16th. May. 7th to 19th. Charlotte, 23td to 18th. Elmwood to Denver Bellefontain 21th to 15th. Dunham, Indiana to College Oth Aman, Sard to 23td. Main, 33rd to 23td. Main, 33rd to 23td. Main, 33rd to 3th. Charlotte, 23td to 15th. Dunham, Indiana to College St. Indiana to College 19th, Indiana to College 19th, Indiana to College 19th, Indiana to College 19th, Indiana to College 19th, Indiana to College 19th, Indiana to College 19th, Indiana to College 19th, Indiana to College 19th, Indiana to College 19th, Indiana to College 19th, Indiana to College 19th, Indiana to College 19th, Indiana to College 19th, Indiana to College 19th, Indiana to College 19th, Indiana to College 19th, Indiana to College 19th, Indiana to College 10th, Indiana to College
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Mains Laid in Fiscal Year 1899.

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	Location	Baltimore, 39th to Westport ave	Grove, 6th to 8th.	Michigan ave. Howard to 26th.	Monroe, Independence to Smart	Garner ave, Indiana to Bales	Monteall ave, 12th to 14th	Thompson, Indiana to Askew.	Askew ave, 19th to 15th	Malach Str. Santa Fe to 110 to west	Thirty-first st. Prospect to Chestnut	Ollve, 28th to 20th	Tracy ave, 38rd to 54th	Thirty-third, Troost to Tracy.	Garfield ave, 15th to 18th	Enelld ave, 15th to 19th	Tracy ave, 17th to 18th.	Wangana, loth to Intersection Tracy	Thompson ave, Askew to Monroe		Reston blad Independence to 19th	Park, 26th to 31st.		Windsor ave, Raise to Monroe.	-	Campbell at, 24th to 19th	Lookydge at, Prospect to Renton	Twelfth st, Cleveland to Jackson		vd. Indp	Montroe ave, 1210 to 1810,	f. arrib	Benton blvd, fielt to litth	Senton Myd, 12th to 18th
100	ordinan No.	9287	10123	10120	100ms	10808	10014	11054	11061	11000	11153	16111	11220	11221	11330	11881	11450	11493	11000	11594	11505	11713	11714	11775	HS30	11821	1 Sport	12001	THINKS	19164	12187	CACAL	12040	12000

Mains Laid in Fiscal Year 1899. - Continued.

107	A toq	# 1	
Cost of Line Laid		# 928	\$114,939 00
Total Fire		# 10 # 00 1-05 05 + 4 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	175
ants	6 in		-
Fire	15 in	21 (2) 21 (2) 21 (2) 22 (2) 22 (2) 23 (2) 24 (2) 25	67
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ON.	ISTOT.		187
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	7		0.5
	Location	Summit st, with to 38th Thirty-seventh, Summit to Bellev, Jefferson st, 88th to 48th Gharlotte st, 38th to 48th Gharlotte st, 38th to 48th Gharlotte st, 28th to 36th Therry-ainth, Main to Warwick Charlotte st, 28th to 30th Archibald st, Central to Baltimore. Central st, 17th to 19th Tracy ave, 29th to 50th Archibald st, Central to Baltimore. Central st, 17th to 19th Thirty-eighth, Woodland to Rueld Missouri ave, Woodland to Burlion Thirty-eighth, Woodland to Burlion Thouse as Charlotte to Campbell Shore as Charlotte to Campbell Tracy ave, 35th to 38th Tracy ave, 35th to 38th Tracy ave, 35th to 38th Tracy ave, 35th to 98th Shore st, Indy to 6th of 18th Garlet st, w Prospect to Mercer Tracy ave, 35th to 28th Shortet ave, 18th to 18th Bellefountaine ave, 18th to 15th Garlet ave, Wares to Indiana Cottage ave, Vine to Woodland Twenty-first st, Indiana to Walrond Wansh ave, 21th to 28th Nineteenth st, Indiana to Walrond Wansh ave, 21th to 28th Nineteenth st, Indiana to Walrond Wansh ave, 21th to 28th Nineteenth st, Indiana to Walrond Wansh ave, 21th to 28th Nineteenth st, Indiana to Walrond Wansh ave, 21th to 28th	
pau	Ordina No.	1920 19	

Mains Laid in Fiscal Year 1899.

100	A rece	####################################
1	Cost of Line Laid	# # # # # # # # # # # # # # # # # # #
sin	Total	SEGRETARIO PARCENT REPRESENTATION REPORTED
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80	Total Vally	CARROL MORNE AND CONTRACT OF THE PARTY OF TH
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ves	10	
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of Lin	0 :n.	:8
Length of Line	6 in. 8 in. 10 in. 12 in. 36	8 9 9
Le	in. 8	######################################
	4 in 6	22888 35 3 5 5 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2
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	Location	Baltimore, 29th to Westport ave Grove, 6th to 8th Sixth, Grove to Highland, Michigan ave. Howard to 35th, Monroe, Indiana to Raise Garrier ave, Indiana to Michigan Monroe, Indiana to Mah Monroe, Indiana to Aske Askew ave, 12th to 18th Thompson, Indiana to Aske Askewate, Santa Fe to 115 ft west Riventh 8t, Santa Fe to 115 ft west Thirty drist 8t. Prospect to Chestmat Olive, 38th to 30th Tracy ave. 38th to 30th Tracy ave. 38th to 18th Tracy ave. 18th to 18th Encid ave. 18th to 18th Encid ave. 18th to 18th Encid ave. 18th to 18th Encid ave. 18th to 18th Encid ave. 18th to 18th Encid ave. 18th to 18th Encid ave. 18th to 18th Encid ave. 18th to 18th Encid ave. 18th to 18th Encid ave. 18th to 18th Encid ave. 18th to 18th Encid ave. 18th to 18th Encid ave. 18th to 18th Encid ave. 18th to 18th Encid ave. 18th to 18th Encid ave. 18th to 18th Encid ave. 18th to 18th Encidence ave. 18th to 18th Encidence ave. 18th to 18th Encidence ave. Rales to Galdstone Wabasa ave. 38th of 18th Troof ave. 18th to 18th
1	ordinan.	001050 00

Mains Laid in Fiscal Year 1899, - Continued.

100%	A rec	***************************************	
Cost of	Line Laid	# 928 # 938 #	\$114,980 69
Fire	Total aby H	* 0.400 (H0101HH4H (0) - HH (MH0100MH70 (0)+51-01H (0)00101	175
unts	5 to 6 in		-
Fire	5 10	03 -00 -00 -00 -00 -00 -00 -00 -00 -00 -	67
	4 lm	21 - 1001 - 101 -	108
SOV	IntoT		187
55	98		00
Size of Valves Inches	10		31
of Val	8	Other with the statement of the statemen	100
Size	-		9 10
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199 199	Total To	おおおおとのの日に2000年日の日本日の日本日による。	89,700
1	30 in.		4.100
0	10 in. 12 in. 30 in.		984
of Lin	o tn.	11.00	6,708
Length of Line	8 tn. 1	15 3 3 15 15 15 15 15 15 15 15 15 15 15 15 15	14.995
Le	6 in. 8	1,114 68 88 88 88 88 88 88 88 88 88 88 88 88	2,424 60,481 14,995
	4 In. 6	a : 338 : 223 288 : 2 : 22 : 222 : 48 : 33823E : 2383	2,424
Townston	TOGGETOIL	Summit st, 37th to 38th Thirty-seventh, Summit to Belley Belleview ave, 37th to 38th Charlotte st, 34th to 38th Therey ave, 28th to 39th Archibald st, Central to Baltimore, Central st, 17th to 19th Twenty ave, 28th to 39th Archibald st, Central to Baltimore, Central st, 17th to 19th Twenty to 19th Missouri ave, Woodland to Prospect Thirty-eighth, Woodland to Maple. Charlotte st, 36th to 38th Charlotte st, 36th to 38th Central st, 36th to 28th Charlotte st, 36th to 28th Chestma st, 36th to 28th Central st, 36th to 28th Central st, 36th to 28th Chestma st, 28th to 28th Sand st, Charlotte to Campbell Tracy ave, 35th to 28th Nictor st, Prospect to Bencon byd Chestma ave, 36th to 28th Bellefountaine ave, 12th to 16th Garner ave, Bales to Monroe Fortieth st, w Prospect to Marner St. John ave, Elmwood to Denver Main st, 28rd to 24th Forest ave, 39th to 23rd Nineteenth st, Indiana to Walrond Sellery wave, 27th to 28th Nineteenth st, Indiana to Walrond Wabash ave, 28th to 32rd Nineteenth st, Indiana to Walrond Wabash ave, 28th to 32rd Nineteenth st, Indiana to Walrond Wabash ave, 28th to 32rd Auxilliary Flow line.	
ruca	ordina	19201 19201 19200	1

Mains and Hydrants Laid and Set by Water Department for Fiscal Year Ending April 16, 1900.

Location	Inch	Location	Inch
Baltimore, 39th to Westport	ave 6	Benton byd., 25th to 31st	
Grove, 6th to 8th	opening 6	Hanover Pl., Broadway to S	sommit
Michigan, Howard to 26th		Summit, 37th to 38th:	
Monroe, Independence to 8	mart 6	37th, Summit to Belleview .	
Garner, Indiana to Bales	6	Jefferson, 38th to Hanover	E
Howard, Vine to Michigan .		Belleview, 37th to 38th	
Montgell, 12th to 14th		Charlotte, 34th to 35th	
Thompson, Indiana to Aske		23d, Benton to Benton	
Askew, 12th to 15th		39th, Main to Warwick	
Eleventh, Santa Fe west		Charlotte, 23d to Howard.	11
Wabash, 26th to 29th	6	Tracy, 29th to 30th	
Bist, Prospect to Chestnut		Archibald, Central to Baltin	
Olive, 28th to 30th		Central, 17th to 19th	
Tracy, 33d to 34th		Cypress, Independence to St	
Forest, 33d to 34th.		29th, Benton to Prospect	
33d, Troost to Tracy		22d, Campbell to Harrison	
Garfield, 15th to 18th		88th, Woodland to Euclid	
Euclid, 15th to 19th		Missouri ave., Maple to Wee	
Tracy, 17th to 18th		Charlotte, 35th to 36th	
Virginia, 15th to intersect'n		Bales, 14th to 15th	
Kansas, 21st to Belt Line Br		Central, 36th to Hanover add	
Thompson, Askew to Monro		22d, Charlotte to Campbell.	
Anderson, Indiana to Askey		Tracy, 25th to 28th	
Indiana, Gladstone byd to 2		Victor, Prospect to Benton !	
Benton, Independence to 12		Chestnut, 28d to 25th	
Park, 26th to 31st		Spruce, Independence to Ga	
Gladstone byd, Walrond to		Elmwood, 9th to Independen	
Windsor, Bales to Monroe		May, 7th to 9th	
22d, Vine to Highland		Garner, Monroe to Bales	
Wabash, 30th to 31st		40th, Westport to Mercier.	
Campbell, 24th to 25th		St. John, Elmwood to Denve	
Troost, Independence to 7th		Mai , 23d to 24th	
Lockridge, Prospect to Bent		Forest, 31st to 32d	
12th, Cleveland to Jackson		Dunham, Indiana to Agues	
14th, College to Benton		College, 20th to 2nd	
Indp. bvd. from Indp. to 6th		21st, Indiana to College	
Monroe, 12th to 14th		Belleview, 27th to 28th	
Chestnut, 25th to 27th		Wabash, 21st to 23d	
Central, 37th to 38th		Cottage, Vine to Woodland.	
Benton, 15th to 18th		19th, Indiana to Walrond	
Benton byd., 12th to 14th		Bellefontaine, 21st to 15th	
		h and Bell to Turkey Creek, 6.14	

Hydrants Set During Fiscal Year Ending April 16, 1900.

Location Inch	
Baltimore, 39th and Westport ave 4	S. E. Thompson and Bales 5
S. W. Howard and Michigan 4	S. E. Thompson and Bales
N. W. Westport and Baltimore 4	W S Wabash 1990 ft s of 97th
W. S. Michigan, 25th and 26th.	S. W. Wabash and 28th
N. E. 26th and Michigan 4	W. S. Wabash, 321 ft. s. of 28th 4
N. W. 29th and Olive	N. W. 16th and Euclid 5
W. S. Olive, between 29th and 30th 4	" 17th and Euclid 5
S. W. 13th and Askew	S. W. Bales and Anderson 5
S. W. 18th and Askew. 4 " 14th and Askew 4 N. W. 18th and Garfield 5	S. W. Bales and Anderson 5 N. W. Gladstone and Indiana 4
S. W. 17th and Garfield	S. W. 39th and Walnut 4
S. W. 17th and Garfield. 5 W. S. Garfield, bet. 17th and 18th. 5 N. W. 13th and Montgoll. 4 " 14th and Montgoll. 5	" Archibald and Baltimore 4
N. W. 13th and Montgell 4	N. W. Campbell and Howard 6
" 14th and Montgall 5	S. W. Gladstone byd and Monroe 5
8. W. Monroe and Roberts	S. E. Gladstone and Bales 5
" Monroe and Garner, 4	S S. Gladstone, 200 ft. e. of Bales 4
" Monroe and Smart 4	S. W. 12th and Jackson 4
" Howard and Highland 4	" 12th and Norton a
" Howard and Woodland 4	" 12th and Myrtle
8. S. Howard and Tracy 4 " June, Virginia and Tracy 4	W. S. Bales between 14th and 15th.
N. W. 17th and Virginia 4	S. W. 29th and Tracy 4
" 16th and Virginia	" 30th and Tracy b
" 16th and Virginia 4	" Siith and Gantral
W. S. Troost and Belvidere	W. S. Cypress. 206 ft. n. of Indp 4
S. W. 33d and Forest 9	W. S. Cypress. 296 ft. n. of Indp. 4 S. W. Cypress and Thompson 4 Cypress and Garner 4
N W 31th and Trace 5	Cypress and Smart 4
8. W. 33d and Forest 5 " 33d and Tracy 5 N. W. 34th and Tracy 5 " 34th and Forest 5 S. W. 31st and Montgall 5 " 3tst and Closethy 5 " 3tst and Closethy 5	Cypress and Smart 4 37th and Belleview W, S, Belleview, 216 ft, n, of Randolph, 4 Belleview, 250 ft, s, of Randolph, 4
S. W. alst and Montgall 5	W, S, Belleview, 216 ft. n. of Randolph. 4
" 31st and Chestnut	Bellevi-w. 250 ft. s. of Randolph 4
W. S. Kansas, and R. H. 2181 St 4	S. E. 38th and Euclid 5
" Kansas, 885 ft, n. of 21st	W. S. Summit, 272 ft. n. ot 38th 4
"Benton, 125 ft. s. of Indp. 5 S. W. Benton and 8th. 5 W. S. Benton, 130 ft. s. of 9th 5 Benton, 150 ft. s. of 10th 4	N. W. Summit and Randolph 5
S. W. Benton and 8th 5	W. S. Summit, 262 ft. p. of Randolph 4
W. S. Benton, 130 ft. s. of 9th 5	S. W. Summit and 37th 5 W. S. Benton, 298 ft. n. of 26th 4
" Benton, 150 ft. s. of 10th	S. W. Benton and 26th 4
S. W. Benton and Peery	W. S. Benton, 360 ft. s. of 26th 4
W. S. Park, 297 ft, s. of 26th	S. W. Benton and 27th 5
8. W. Park and 27th 4	" Benton and 28th 4
W. S. Park, 345 ft. s. of 27th	Benton and Victor 5
W. S. Park, 268 ft. n. of 29th	Denton and 29th
S. W. Park and 29th	W. S. Benton, 304 ft. s. of 30th
W. S. Park and 280 ft. 30th	S. W. Benton and 31st 5
S. W. Park and 31st 5	N. W. 38th and Jefferson 5
W. S. Park, 292 ft. s. of 30th	W. S. Jefferson, 266 ft, n. 38th 4
	W. S. Benton and 31st 5 N. W. 38th and Jefferson 5 W. S. Jefferson, 266 ft., 38th 5 N. W. 38th and Randolph 5 W. S. Jefferson, 335 ft. s. of Hanover 4
Wabash, 295 ft. s, of 30th 4 N. W. Wabash and 31st. 5 S. W. Windsor and Monroe 5 N. W. Sth and Grove 4 W. S. 8th and 24s ft. n, of 8th 5 S. S. 6th, 24 ft. e, of Grove 5 6th, 24 ft. e, of Vine 4 S. W. 18th and Benton bvd. 4 N. W. 14th and Benton bvd. 4 " 18th and Monroe 4 " 14th and Monroe 4	S. W. Jefferson and Hanover
S. W. Windsor and Monroe 5	" Benton and 16th 4
N. W. 8th and Grove 4	" Benton and 16th 4 " Benton and 17th 5
W. S. 8th and 248 ft. n. of 8th 5	S. S. 29th, bet, Prospect and Benton 5
5. S. oth, 24 ft. e. of Grove 5	S. W. Howard and Chestnut
S. W. 15th and Renton byd.	W.S. Tracy 395 ft s of 95th
N. W. 14th and Benton byd	S. W. Tracy and 26th 5
" 13th and Monroe 4	W. S. Tracy, 246 ft, n. of 27th
" 14th and Monroe	Tracy 240 ft. s. of 27th 4
W S Control 222 s of 27th et	S. W. Tracy and 28th
N. W. 35th and Charlotte	W. S. Victor, bet. Prospect & Benton byd 4 S. W. Spruce and Garner
S. W. 34th and Chirlotte	
S. W. 34th and Charlotte	W. S. Spruce, 272 ft. n. of Indo
Chestnut, 300 ft. s. of 25th 4	S. K. Holly and 40th
N. W. Chestnut, 322 ft. s. of 26th	S. S. 40th opp. Mercier 4 N. W. 18th and Central 4
" Chestnut and 27th 5	W. S. 24th and Charlotte
S. E. Garner and Bales 5	N. W. Howard and Charlotte 4

Hydrants Set During Fiscal Year Ending April 16, 1900-Continued.

Location	Inch)	Location	Inch
W. S. May, 165 ft. n. of 8th	5 D	unham and Walrond	4
N. W. 9th and #lmwood		unham and College	4
" 8th and Elmwood	5 8	. W. 10th and Mulberry	Š
" 7th and Elmwood	5 21	Oth and College	
W. S. Forest, bet, 81st and 32d	4 2	ist and College	. 4
" Main, bet, 23d and 24th	4 1 3	latthew and College	
N. W. Main and 24th	4 2	2d and College	
S. E. Elmwood and St. John	5 2	Bd and College	
" St. John and Brighton		W. 19th and Walrond	
S. S. St. John, 546 ft. w. of Brighte	n 4		
N. E. St. John and Denver			
N. S. Independence and Lydia		" Co tage, 261 ft, w. of Wood!	
S. W. Bellefontaine and 14th		. W. Woodland and 21st	
" Bellefontaine and 15th		" Woodland and 22d	
W. S. Bellefontaine, 253 ft. s. of 1;		S. Belleview, bet, 27th and 25	
S. W. 8th and Broadway			
S. K. 23d and Woodland			
		ma .	

Valves, Hydrants and Specials on Hand April 16, 1900.

Articles	Size	No	Articles Size	No
Sleeves and Rings	. 4 In.	27	Cast Iron T's 4 in.	11
* **	6	21	11 11 41 611	92
44 49 44	8 4	20		113
0 0 0	40	1	" " " 10 "	15
* * * *	710 41	12	n " " 12 "	15
44 44 44	15 "	3	20	N
** ** **	20.0	İ	" " " 24 "	3
46 46 46	20 14	â	11 41 44 30 4	2
44 34 44	444 44	2	Ludlow Hydrants 4 "	11
44 W. II	1000 44	4	" " 5"	8
	36 **	4	Gaskell Hydrants 6 "	2
Cast Iron Bends	4	109	Corey Hydrants 4 "	6
ast from Bends	6 "	72	corey Hydrants 5 "	4
41 41 41 *********	8 "	23	Ludlow Valves. 4"	- 2
	70 44	20	The state of the s	10
	15 "	- 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	13
11 0 14 FARESTER	- 10	1	description of 10	1
	10	5	Dusten various	30
	20	1		34
4824149421	- 00		111111111111111111111111111111111111111	.24
last Iron Reducers	1 0	51	" " 8"	10
	. 0	ā		
** ** ** *****	12 "	1	Used for Betterments-	
		1	Valve Covers	114
ast Iron Plugs	4 4	68	Six inch T's	118
61 45 N THE PROPERTY OF	. 6	78	Six inch Bends	40
	. 10	3	Sleeves and Rings.	26
24 24 25	. 8 "	37	Six inch Crosses	49
16 45 16 ·······	. 12 "	1	Eight inch T's	40
last Iron Anchors		120	Eight to Six Reducers	2
** is **	6 "	-85	Eight inch Crosses.	23
35 44 45	8 "	8	Six to Four Reducers	- 8
Talve Covers		3	Ten inch T's	26
last Iron Crosses	4 "	8	Ten inch Crosses	12
17 41 14	6 "	76	Eight inch Sleeves & Rings	5
	8	50.	Ten inch Sleeves and Rings	1
4 11 11	10 4	15	Twelve inch T's	2
** ** **	12 "	16	Twelve inch Crosses	ī
** ** **	24.4	1	Hydrants	157
** ** **	On 11	3	Valves	120
** ** **	01.11	1	L. mr. 40	240

	HYI	DRANTS.		V	ALVES.					
	Des	On Hand	David and	D	On Hand					
eived	Set	Apr. 17, 1899 Apr. 16,1900	Received	Set	Apr. 17, 1899 Apr. 16,1900					
-	104		44.5							

Inventory of Miscellaneous Stock on Hand April 16, 1900.

Rece

Articles	No.	Articles	No.	Articles	No.
Syphons Block and tackle sets Derricks Hemp packing	4 2	Shovels Picks Valve keys Lead	64	Sets hyd'nt valve rep'ir outfits Sets calking, cutting and pipe- laying tools. Wells light.	3 3 1

Expenditures During Fiscal Year Ending April 16, 1900.

	Supt.,	Engr. and Office	Office	St	Street Division	ion	Inspe	Inspection Division	ision	Me	Meter Division	fon
Months 1899	Pay Rolls	Vouch- ers	Total	Pay Rolls	Vouch-	Total	Pay	Vouch-	Total	Pay Rolls	Vouch-	Total
April 17 to 30. May June June June Angust September October November January 1900 Hebruary	2 2 2 2 2 2 2 2 3 2 3 2 3 2 3 2 3 2 3 2	25 25 25 25 25 25 25 25 25 25 25 25 25 2	\$270 8617 844 44 846 66 640 66 640 66 640 66 641 66	252 88 25 88 11,051 88 25 80 25 80 25 80 25 80 25 80 25 80 25 80 2	82828282828 82828282828 828282282288	\$440 1,203 26 1,203 26 1,203 27 1,500 37 1,801 24 1,801 24 1,106 36 1,000 30 573 23	\$417.43 1,652.98 1,101.02 1,001.02 1,001.73 1,108.68 1,108.43 1,001.43 1,00	885222338 885822338 88582888 88888888888	\$ 100 THE PROPERTY OF THE PROP	20000000000000000000000000000000000000	。	88 88 88 88 88 88 88 88 88 88 88 88 88
April 1 to 16.,						1				0-1-75	\$1,290.00	

Expenditures During Fiscal Year Ending April 16, 1900.-Continued.

	T	Turkey Creek	3k		Quindaro	0	B	Betterment		M	Miseellancous	us
Month 1899	Pay Rolls	Vouch- ers	Total	Pay Rolls	Vouch- ers	Total	Pay Rolls	Vouch-	Total	Pay	Vouch-	Total
April 17 to 30 8		\$ 621			* 858	\$ 1,459	200	750				
June		1,820			1,348	2,663						
August	1,802 46	1,160 64	8,203 10	1,287 22	1,184 12	8,8,8		200	_	-/-	252 70	518 70
September		2,026			2.479	3,851		100	~~	100		
November		1,686			1,476	2,817	_			-		
January 1000		1,458			1,428	2,824		200				
February		1,885			1,270	2,898	•	-				
April 1 to 16.		580		08 709	448	1,050 % 1,050 %	816 75	301 SN 746 GB	1,093 30	13 00	25 65 88	100 88 83
Tot 1s	\$ 21,285 01	* 19,591 56	\$10,876.60	\$15.978 67	\$ 18.825 98	\$ 31,801 60	\$ 14,258 18	8 24,284 05	8 38,538 08	8989 30	84.577.74	85.517 01

Expenses During Fiscal Year Ending April 16, 1900-Continued.

Months	Assess	or and the	Hettor		Br	Barn Division	ston.			Com	Construct on	m	=	Y	ppropriatio	.80
1899	Pay Rolls	Vouch-	Total		Pay	Vouch ers	4	letel	Pay		Vouch- ers	Total	-	Pay Rolls	Vouchers	Total
the state of the s	312 22 706 08 846 00 911 34 827 06 812 16 814 16 916 67 916 67 916 66 916 66	* ####################################	# # # # # # # # # # # # # # # # # # #	*	#8588888888888 88888888888	88 12 12 12 12 12 12 12 12 12 12 12 12 12	#855755815788	FERSETERS SEEN		*************	Passes state	######################################	************	# 11 20 20 20 20 20 20 20 20 20 20 20 20 20	# 8,136 04 9,256 02 9,256 02 16,000 04 16,100 96 11,410	8
Totals	10,516 90	\$ 2,215.50	\$ 12,732 40	-	2.154 00	8 2,799 71	4	12 946	8 3.979 49.5	42.5	1,540 46	8 6.019 RN	- 60	19,107,84 \$	8 101.056 97 8	128,164

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Months	Reimte	Relates and Refunds	spunga	Sume	Summary		
Long	Pag Rolls	Pay Vouch- Total	Total	Department	Pay Rolls	Pay Rolls Vouchers	Total
April 17 to 30	-		1	Sunt. Engr. and offer	14	643	
	10 design	Total leading line (a)		Street division	11,530 28	3,811 10	
Jugg constituent and the said married	ote de à	Section in		Inspection division		1,864 73	14,258 61
July outside the same bearing	*********	bearings.		Meter division.	12 CTTS		8,019 81
dugust				Turkey Creek	21,285 04	19,591 56	40,876 60
September		And and by	********		15.978 67	18,8th 93	31,8N4 ED
Detober 8 00 17 8 00 17	4000 1000	8 00 1T	21 69 8		14,253 13	26,281 06	38, 538 0s
November,	********	10100000	The same		969 30		5,547 01
December,	Tanana .	101-	1001	Assessor and collector.	10,516 90		12,732 10
January-10 40, 111, 121, 121, 121, 121, 121, 121, 12	apart 2 -		37 08	Barn	2,154 00		4,946 71
Fringery		0 8	9 04	Construction	8,979 42		5,012 88
April 1 to In		September 1 styles September 1	District of	Appropriations 19,10 Relates and refunds	19,107 84	-	123,164 81 113 35
Totals		# 113 35 # 113 36.	# 112 35		\$ 126,170 43	8 184,500 Still	30,977 95

May 1, 1900.

D. W. LONGWELL,

Superintendent Water Department.

Sir:—I herewith submit my annual report of the Street Division of the Water Department, showing work of construction and repair for fiscal year ending April 16, 1900. Respectfully,

> J. S. CANNON, Street Foreman.

Inventory of Material Used and Stock on Hand April 16, 1900, by Street Department.

Cast Iron Pipe.

			On I	iand
Size	Recieved	Disposed of and Laid	Apr. 17th, 1819	Apr. 16th. 1966
		· ·	Lineal Feet	Lineal Feet
3-Inch		60	182	72
1 "	2,652	2,481	2,040	2,208
6	45,252	55,021	12,571	2,772
ÿ	13,908	13,512	1,428	1,824
10 "	6,396	6,000	192	5KK
i2 ··	4,260	984	60	3.336
15 "			. 12	12
16		12	72	60
20 "			. 60	60
24 "			. 48	48
30	12		.1 24	36

Report of the Work Done by the Street Division of Water Department from April 17, 1899, to April 16, 1900.

		Walt Sould	St. co.tr. E.W.		
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1	Z.		E .	2088 8552 10728 6348 27112 27112 2710 2710 2710 2710 2710 27	38796
			E +	TESSERVENESSE TESSE	2316
1	Le'ss	bail	Repa	H 040051-80	T.
377	Feet	Ther	Kxcar for o	94.0 1900 1900 1900 1900 1900 1900 1900 19	2000
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	seellaneous	198	Hes Nor	20450740 4.2	100
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	Months			May May May May May May May May May May	Totals

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Extension of Water Mains by Ordinance.

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Location of Main Location of Main Garner, Indiana to Bales Anderson, Indiana to Askew Thompson, Indiana to Askew Walsh, 28th to 28th Theory, 17th to 18th Theory, 17th to 18th Troos, 17th to 18th Troos, 17th to 18th Troos, 17th to 18th Troos, 17th to 18th Troos, 17th to 18th Troos, 17th to 18th Troos, 17th to 18th Troos, 17th to 18th Troos, 17th to 18th Troos, 17th to 18th Troos, 17th to 18th Troos, 18th to 18th Troos, 18th to 18th Troos, 18th to 18th Traos, 18th to 18th Tracs, 18th to 28th Tracs, 18th to	of	8	
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Extension of Water Mains by Ordinance.-Continued.

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	Location of Main	Tracy, 20th to 30th Bales, 14th to 15th 21nd, Campbell to Hanover Curtral, 20th to Hanover Cypress, Independence to Smart, Misseuri ave, Woodland to Maple 2nd, Charlotte to Campbell Belleview, 37th to 38th, 37th, Summit to Belleview 27th, Summit to 18th of 18th Man, Benton to Prospect Chestnut, 37th to 38th Struce, Independence to Garner Victor, Prospect to Benon Victor, Prospect to Benon Victor, Prospect to Benon Victor, Prospect to Benon Victor, Prospect to Benon Victor, Prospect to Benon Victor, Prospect to Benon Victor, Prospect to Benon Victor, Prospect to Benon Victor, Prospect to Benon Victor, Prospect to Benon Victor, Prospect to Benon St. John, Elmwood to Inercer Former, Alst to fight Dunham, Indiana to College 19th, Indiana to College 20th, Indiana wo Wall ond Cottage, Vine to Weodland Walsah, 21st to 38th Belleview, 37th to 38th Belleview, 37th to 38th
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Mains Laid in Fiscal Year 1899.

Average per Foot
Cost of Line Laid
Total Pire Bydrants
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Fire Hydrants in 5 in 6 in
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Mains Laid in Fiscal Year 1899.-Continued.

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	Location	1	Summit st, 37th to 38th.	Thirty-seventh, Summit to Bellev.	Jenerson at, acta to manover place.	Belleview ave, attn to astn.	Charlotte St, 54th to actn	I wenty-third, Chesthut to hansas.	Thirty-ninth, Main to Warwick	Charlotte st, zard to Boward	-	_	-	Cynress at, Inda to Smart	Twenty-nir	9000 A at	ŀ	Thursday.		Charlotte st, 35th to 36th	Hales ave, 14th to 15th.	Central at. 36th to 2,0 ft south.	É	Peaced age of the to open	×	٠,	Chestnut ave, 28rd to 20th	Spruce at, Indp to Garner,	Elmwood ave, indp to 9th	May st, 7th to 9th	Bellefountaine ave, 12th to 15th	Carner ave, Bales to Monroe	v Prospect to		Main at, 23rd to 20th,		Dunnam ave, Agnes to Indiana.	Cottage ave, vine to woodishid.	Twenty-nrst st, Indiana to College.		India	WAY		Auxilliary Flow line		
2011	ordina No.	0	10047	2	No.	12200	10001	Title of	Post	12204	10000	12300	12361	192261	19647	10000	- Constant	Agreed .	120999	12645	12771	12905	10015	10014	A40110	400000	13013	13108	12807	110022	13348	135519	13850	Inter	13390	13501	90001	19482	10700	19599	10001	LIBERT	19084	12011	1	

Mains and Hydrants Laid and Set by Water Department for Fiscal Year Ending April 16, 1900.

Location Inch	Location Inch
Baltimore, 39th to Westport ave 6	Benton bvd., 25th to 81st 8
Grove, 6th to 8th 6	Hanover Pl., Broadway to Summit 8
Michigan, Howard to 26th 6	Summit, 37th to 38th 6
Monroe, Independence to Smart 6	37th, Summit to Belleview 8
Garner, Indiana to Bales 6	Jefferson, 38th to Hanover 6
Howard, Vine to Michigan 6	Belleview, 87th to 38th 6
Montgall, 12th to 14th 6	Charlotte, 34th to 35th 6
Thompson, Indiana to Askew 6	23d, Benton to Benton 6
Askew, 12th to 15th 6	39th, Main to Warwick 6
Eleventh, Santa Fe west 8	Charlotte, 28d to Howard 12
Wabash, 26th to 29th 6	Tracy, 29th to 30th 12
31st, Prospect to Chestnut 10	Archibald, Central to Baltimore 4
Olive, 28th to 30th 8	Central, 17th to 19th 6
Tracy, 33d to 34th 6	Cypress, Independence to Smart 6
Forest, 33d to 34th, 6	29th, Benton to Prospect 6
33d, Troost to Tracy 6	22d, Campbell to Harrison 6
Garfield, 15th to 18th 6	88th, Woodland to Euclid 8
Euelid, 15th to 19th 8	Missouri ave., Maple to Woodland 6
Tracy, 17th to 18th 6	Charlotte, 35th to 36th 6
Virginia, 15th to intersect'n Tracy 6	Bales, 14th to 15th 6
Kansas, 21st to Belt Line Bridge 6	Central, 36th to Hanover add 6
Thompson, Askew to Monroe 6	22d, Charlotte to Campbell 6
Anderson, Indiana to Askew 6	Tracy, 25th to 28th 10
Indiana, Gladstone byd to Norledge. 6	Victor, Prospect to Benton byd 6
Benton, Independence to 12th 6	Chestnut, 23d to 25th, 8
Park, 26th to 31st 6	Spruce, Independence to Garner 6
Gladstone byd, Walrond to Monroe, 8	Elmwood, 9th to Independence 10
Windsor, Bales to Monroe 6	May, 7th to 9th 10
22d, Vine to Highland 6	Garner, Monroe to Bales 6
Wabash, 30th to 31st 6	40th, Westport to Mercier, 6
Campbell, 24th to 25th 6	St. John, Elmwood to Denver 8
Troost, Independence to 7th 6	Main, 23d to 24th 6
Lockridge, Prospect to Benton, 6	Forest, 31st to 32d 6
12th, Cleveland to Jackson 10	Dunham, Indiana to Agnes 6
14th, College to Benton 6	College, 20th to 28d 6
Indp. byd, from Indp. to 6th 6	21st, Indiana to College 6
Monroe, 12th to 14th 6	Belleview, 27th to 28th 6
Chestnut, 25th to 27th6-8	Wabash, 21st to 23d 6
Central, 37th to 38th 6	Cottage, Vine to Woodland 4
Benton, 15th to 18th 8	19th, Indiana to Walrond 6
Benton byd., 12th to 14th 6	Bellefontaine, 21st to 15th
Thirty-inch auxiliary flow line from 12t	
The second secon	

Hydrants Set During Fiscal Year Ending April 16, 1900.

Location Inch	
Baltimore, 39th and Westport ave 4	S. E. Thompson and Bales 5
S. W. Howard and Michigan 4 N. W. Westport and Baltimore 4	W. S. Wabash, 335 ft. s. 20th. 5 S. W. 27th and Wabash. 5 W. S. Wabash, 330 ft. s. of 27th 4 S. W. Wabash and 28th 5 W. S. Wabash, 321 ft. s. of 28th 4 W. S. Wabash, 321 ft. s. of 28th 4
N. W. Westport and Baltimore 4	S. W. 27th and Wabash 5
W. S. Michigan, 25th and 26th	W. S. Wabash, 330 ft. s. of 27th 4
W. S. Michigan, 25th and 26th 4	S. W. Wabash and 28th 5
N. E. 26th and Michigan 4	W. S. Wabash, 321 ft. s. of 28th 4
N. W. 29th and Olive 5	N. W. 16th and Euclid
N. W. 29th and Olive	" 17th and Euclid B
S, W, 13th and Askew. 4 " 14th and Askew 4 N, W, 16th and Garfield 5	W. S. Euclid, bet, 17th and 18th 5
" 14th and Askew 4	S. W. Bales and Anderson 5 N. W. Gladstone and Indiana 4
N. W. 16th and Garfield 5	N. W. Gladstone and Indiana 4
S. W. 17th and Garfield	S. W. 39th and Walnut
W & Carfield pet 17th and 18th	" Archibald and Baltimore 4
W. S. Garneld, bet. I'm and istn	N. W. Campbell and Howard
S. W. 17th and Gorffeld. 5 W. S. Ga-ffeld, bet. 17th and 18th 5 N. W. 13th and Montgall 4 " 14th and Montgall. 5 S. W. Monroe and Roberts. 5 " Monroe and Thompson 4 " Monroe and Garner. 4	Complett and noward
" 14th and Montgail a	S. W. G adstone byd and Monroe
S. W. Monroe and Roberts	8, W. G adstone byd and Monroe a
Monroe and Thompson,	S. E. Gladstone and Bales 5
" Monroe and Garner 4	S S, Gladstone, 200 ft, e, of Bales
" Monroe and Smart 4	S. W. 12th and Jackson 4
" Howard and Highland 4	" 12th and Norton
" Monroe and Smart	" 12th and Myrile
S. S. Howard and Tracy	8. W. 12th and Jackson
" Inne Viccinia and Tracy 4	W. S. Dales between 14th and lath
N. W. 17th and Virginia 4 19th and Virginia 4 16th and Virginia 4	S. W. 29th and Tracy
" 18th and Virginia 4	" 30th and Tracy h
* 16th and Virginia	" 36th and Central 4
W. S. Troost and Belviders 4	W. s. typress, 256 fr. n. of Indp
S. W. and Forest 5	S. W. Cypress and Thompson 4
" 23d and Tracy 5	S. W. Cypress and Thompson
N. W. Sith and Tracy 5	" (ypress and Smart 4
at 34th and Forest 5	" 37th and Belleview 5
N. W. 34th and Tracy	W. S. Belleview, 216 ft. n. of Randolph . 4
" 31st and Chestnut 5	" Bellevi-w. 250 ft, s. of Randolph 4
W. S. Kansas, 390 ft. n. 21st st 4	S. E. 38th and Euclid
"Kansas, 885 ft, n. of 21st	" 38th and Michigan 4
" Kansas, 322 ft, s. of 18th 4	W. S. Summit, 272 ft. n. ot 38th 4
" Benton, 125 ft. s. of Indp 5	N. W. Summit and Randolph h W. S. Summit, 202 ft. n. of Randolph 4
W Benton and 8th	W. S. Summit, 262 ft. n. of Randolph 4
W. S. Benton, 130 ft. s. of 9th 5	S. W. Summit and 37th 5
" Henton, 150 ft. s. of 10th 4	8. W. Summit and 37th 5 W. S. Benton, 298 ft. n. of 26th 4
" Benton, 150 ft, s, of 11th 5	S. W. Benton and 26th
8. W. Benton and Peery 5 W. 8. Park, 297 ft, s. of 26th	W. S. Benton, 360 ft. s. of 26th 4
W. S. Park, 297 ft, s. of 26th	S. W. Benton and Tith.
8. W. Park and 27th 4	Benton and 28th
8. W. Park and 27th	" Benton and Victor 5
S. W. Park and 28th 5	Benton and 29th
46 S. Park, 208 H. H. Of 291h	Henton and Both
8. W. Park and 29th 4	W. S. Henton, 304 ft. s. of Buth
W. S. Park and 280 ft. 80th 4	S, W. Benton and 31st
S. W. Park and Sist	S. W. Benton and 31st
Tr. in a min, som the st. Of ability and the second	W. S. Jefferson, 266 ft. n. 38th
" Indp. bvd., 100 ft. s. of Indp 5	N. W. astn and Randolph h
" Wabash, 205 ft. s, of 20th 4	W. S. Jefferson, Sib fl. s. of Hanover 4
N. W. Wabash and 31st	S. W. Jefferson and Hanover
N. W. Wabash and 31st 5 S. W. Windsor and Mouroe 5 N. W. 8th and Grove 4	Benton and lith
W. S. 8th and 248 ft. n. of 8th	" Benton and 17th 5 S. S. 29th, bet, Prospect and Benton 5
W. S. 8th and 248 ft. n. of 8th	S. S. 19th, bet, Prospect and Benton a
o, o, oth, 24 ft, e, of Grove	S. W. Howard and Chestnut
8, 8, 6th, 24 ft, e, of Grove 6th, 24 ft, e, of Vine 4 8, W. 18th and Benton byd 4	" Chestnut and 24th 4
W W Lith and Denton bad	W. S. Tracy, a20 IL S. Of 20th
N. W. 14th and Benton byd. 4 " 13th and Monroe. 4 " 14th and Monroe. 4	W. S. Tracy, 325 ft, s. of 25th. 3 S. W. Tracy and 26th 5 W. S. Tracy, 246 ft, n. of 27th 4 "Tracy 240 ft, s. of 27th 4
" Lith and Monroe 4	" Tracy 240 ft a of 27th
" 14th and Monroe. 4 S. W. 37th and Campbell 5	S. W. Tracy and 28th 4 W. S. Victor, bet, Prospect & Benton byd 4 S. W. Spruce and Garner 5 Spruce and Thomps 11 W. S. Spruce, 272 ft. n. of Indp 4 S. E. Holly and 40th
W. S. Central, 302 s, of 37th st 4	W. S. Victor, bet, Prospect & Benton bad 1
N. W. 35th and Charlotte 5	S. W. Spruce and Garner
S. W. Sith and thurlotte	" Spruce and Thomas a
S. W. 84th and Charlotte	W. S. Spruce, 272 ft. p. of Lude
" Chestnut, 306 ft. s. of 25th 4	S. R. Holly and 40th
N. W. Chestnut, 322 ft. s. of 26th 4	S. S. 40th opp. Merejee
" Chestnut and 26th 5	S. S. 40th opp. Mercier N. W. 18th and Central W. S. 24th and Charlotte
Chestnut and 27th	W. S. 24th and Charlotte 4
S. E. Garner and Bales	N. W. Howard and Charlotte 4
The second secon	are an area with the control of the

Hydrants Set During Fiscal Year Ending April 16, 1900—Continued.

Location	Inch	Location	Inch
W. S. May, 165 ft. n. of 8th	5	Dunham and Walrond	4
N. W. 9th and Flmwood	5	Dunham and College	
" 8th and Elmwood	5	S. W. 10th and Mulberry	
" 7th and Elmwood	5	20th and College	
W. S. Forest, bet, 31st and 32d		21st and College	4
" Main, bet, 23d and 24th.	4	Matthew and College	
N. W. Main and 24th	4 !	22d and College	4
S. E. Klmwood and St. John	5 ·	23d and College	4
" St. John and Brighton	4 1	S. W. 19th and Walrond	
S. S. St. John, 546 ft. w. of Brig			
N. E. St. John and Denver	5	S. S. 19th, 264 ft. n. of Indiana	a 4
N. S. Independence and Lydia	a 4 :	" Co: tage, 261 ft, w. of Wo	odland 4
S. W. Bellefontaine and 14th.	4 !	S. W. Woodland and 21st	4
" Bellefontaine and 15th.		" Woodland and 22d	4
W. S. Bellefontaine, 253 ft. s. o	of 12th 4	W. S. Belleview, bet, 27th and	1 25th 4
S. W. 8th and Broadway	5	S. W. 27th and Belleview	4
S. E. 23d and Woodland	4 .		

Valves, Hydrants and Specials on Hand April 16, 1900.

Articles	Size	No	Articles Size	No
Sleeves and Rings	4 in.	27	Cast Iron T's 4 in.	11
	47 44	21		92
** ** **	0.46	20	11 11 11 11 11 11 11 11 11 11 11 11 11	83
	913.44	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12	1 11 11 11 11 11 11	17
	120.40	- 18	10 00 00 00 00 00 00 00	34
	T/0 14	1		1
	200 14	3	11 00 11	2
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The second second	7965 3.6	4	Ludiow Hydrania	
	40 40	1	1 11111111 1	
	1 280		Canada il diyaranta	1
ast Iron Bends	2 10	109	Corey Hydrants	
	- 11		The state of the s	
E II II PROPERTY	- vo n	23	Ludlow Valves 4 "	1 3
		- 5		13
H - # 1011111111		4	Trees or the 10	21
11044411111	. 1 40	- 5	Smith valves.	30
242 411	- 20	1	" " " " " " " " " " " " " " " " " " " "	- 84
H H H CATALOGUE	100	9	" " allitettettett 6"	24
last Iron Reducers	10 10	51	" " alementate to all 8"	10
17 th 61	_ 0	0		1
Ar 45 45	12 "	1	Used for Betterments-	200
H 46 48 400000	16 "	1	Valve Covers	- 116
ast Iron Plugs		68	Six inch T's	
16 18 N 1111111111	6 "	73	Six Inch Bends	- 10
on or or contract one	10 **	-3	Sleeves and Kings	. 20
or or the state	8"	37	Six inch Crosses.	
	12 "	1	Eight inch T's	-40
last Iron Anchors	4 **	120	Eight to Six Reducers	3
** ** ** *******	6."	85	Eight inch Crosses	. 20
** ** ** ******		8	Six to Four Reducers	
alve Covers		T	Ten inch T's	100
last Iron Crosses	£ 41	- 5	Ten Inch Crosses	
" " "	40.00	76	Eight inch Sleeves & Rings	
* * *	O 44	50	Ten inch Sleeves and Rings	2 1
* * *	740 77	15	Twelve lach T's	
	200 31	16	Twelve inch Crosses	i
and the same of th	9.00 14	1	Hydrants	
N 10 60 February	- Charl. 144	n	1200	7.00
	204 200	- 4	Valves	2.00

HYDRANTS.

VALVES.

Received	Set	On Hand		Received	24	On Hand	
	201	Apr. 17, 1809	Apr. 16,1900	Received	Set	Apr. 17, 1809	Apr. 10,19:0
189	160	9	29	952	140	25	1177

Inventory of Miscellaneous Stock on Hand April 16, 1900.

Articles	No.	Articles	No.	Articles	No.
Syphons Hlock and tackle sets Derricks Hemp packing	2	Shovels Picks. Valve keys Lead	78 64 10 2000 lbs	Sets hyd'nt valve rep'ir outfits Sets calking, cutting and pipe- laying tools. Wells light.	3 3 1

KANSAS CITY, Mo., May 1, 1900.

D.	W.	LONGWELL,	Superintendent.
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Below is a report of Inspection Department for the fiscal year ending April 16,	1900 o. or
Services turned on-regular	
Services turned on after being repaired	
Services turned on for builders' use	
Services turned on and off for elevator test	
Services turned off account moved	
Services turned off by request	
Services turned off for violation	
Services turned off, unpaid	
Services turned off, burned	
Services turned off, leak	
Services turned off, builders finished	
Examinations by building inspector	
Shortages found by building inspector	
Violations found by building inspector	
Premises re-rated	
Services examined to see if O. K	
Services examined to see if off	3288
Pipes in trenches inspected	
Sm II mains turned off for new connections	
Statements of meter indicators taken	
Stop-boxes measured specially	
Boxes found out of order	
Notices given to rep dr boxes	
Curb-cock keys captured	
Services examined—special inspection	
Laks found and notices given	
Blocks consumers notified before street is paved	
Connections found outside of meter	
Meters found out of order	
By-pass valve examinations	
By-pass valves sealed.	
Fire protection valves examined	660
Fire protection valves sealed	
Corrections of maps	
Bills presented	187
Miscellan ous trips	6439
Sprinkling violations	
Service permits issued	2006
Service permits examinations	2893
Service permits rejections	724
Extension permits issued	
Extension permits examinations	2860
Extension permits rejections	316
Tap = made	1550
Fountains examined	1034
Services repaired	309
Services disconnected	97
Fount ins reset	7
Flush tanks examined	176
Small mains laid	5
Fire hydrants closed	25
Put in 75 feet of 4-inch sewer pipe at 23d and Vine, for fountain.	

. Respectfully submitted.

WALTER R. WILSON, Chief Inspector.

Meter Department.

D. W. Longwell, Superintendent Kansas City Water Department.

DEAR SIR:—Herewith I submit the following report of the Meter Department for the fiscal year ending April 16, 1900:

	No. of
Meters in service at beginning of the year	4,100
set during year	
* taken out	4.784
taken out	
in service	V. 1,654
Elevator indicators in service at the beginn put in during year	ling of the year. 61
" In service	
Meters repaired during year	645
" tested " "	1,396
Line	35
Intracto	811
Elevator indicators repaired	***************************************
Special inspections	701
Faucets repaired.	
Brick meter boxes put in	100
Second hand meters in stock at the beginni	ing of the year
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Second hand meters set from stock	
" in stock	20
City meters in service	
Private meters in service	3,809
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% inch Lambert	1 " Union 1
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ı						105 00					•	****
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4	inch	Lamber	r t			1	2					
4	inch inch	Lamber	r t			1 1	3	inch		· · · · · · · · · · · · · · · · · · ·		
4	inch inch inch	Lamber Hersey Crown.	rt	• • • • • • • • • • • • • • • • • • •			2					
4	inch inch inch inch	Lamber Hersey Crown Crown	rt	• • • • • • • • • • • • • • • • • • •		1 1 7	3	inch		· · · · · · · · · · · · · · · · · · ·		
4	inch inch inch inch	Lamber Hersey Crown.	rt	• • • • • • • • • • • • • • • • • • •		1 7 3	3 4	inch 		· · · · · · · · · · · · · · · · · · ·		
4	inch inch inch inch	Lamber Hersey Crown Crown	rt	• • • • • • • • • • • • • • • • • • •		1 1 7	3 4	inch 		· · · · · · · · · · · · · · · · · · ·		
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1	inch inch inch inch inch	Lamber Hersey Crown Crown Thomps	son		1,50	1 7 3 1 METERS 1:	2 3 4 8 SERVI	inch 	Crown	rt	147	
1	inch inch inch inch inch	Lamber Hersey Crown Crown Thomps	son		. 1,50 . 51 . 18	1 7 3 1 1 1 1 1 1	3 4 N SERVI	inch ice. inch 	Crown Lambe	• rt	147	
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	inch inch inch inch inch inch	Lamber Hersey Crown Crown Thomps	son		1,50 51 18 5 5 4	1 7 3 1 1 1 1 4 2 1 2 1 2 3 1 1 2 3 1 1 3 1 2 3 1 2 3	2 3 4 N SERVI	inch inch inch	Lambe	rt	147 13 4 1 3	
2 4 2	inch inch inch inch inch inch	Lamber Hersey Crown Crown Thomp Crown	son		1,50 51 18 5 5 4	1 7 3 1 METERS II 9 4 22 8 8 8 8 8 4 3 4 4 3 2.421	2 3 4 N SERVI	inch inch inch	Lambe Gem Worthi	rt		
	inch inch inch inch inch inch	Lamber Hersey Crown Crown Thomp Crown	son		1,50 51 18 5 5 4 1,03	1 3 1 	2 3 4 1 5 6 10 5 8 1 10 5 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	inch inch inch inch	Lambe	rt		
	inch inch inch inch inch inch	Lamber Hersey Crown Crown Thomp Crown	son		1,50 51 18 5 5 1,00 11,00	1 7 3 1 METERS 1: 99 4 22 8 8 8 8 8 8 8 8 8 4 4 3 4 4 9 9	2 3 4 N SERVI 58 54 1 1 2 3 6 10 58 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	inch inch inch	Lambe Gem Worthi	rtngton		
	inch inch inch inch inch inch	Lamber Hersey Crown Crown Thomp Crown	son		1,50 51 55 55 4 1,03 11	1 7 3 1 1 1 1 1 1 1 2 1 3 1 1 1 2 1 1 2 3 1 1 1 1 2 1 	2 3 4 N SERVI 2 3 6 10 10 5 8 4 11 12	inch inch inch inch	Lambe Gem Worthi	rt		
	inch inch inch inch inch inch	Lamber Hersey Crown Crown Thomp Crown	son		1,50 51 18 5 5 4 1,03 11 11	1 3 1	2 3 4 N SERVI 2 3 6 10 5,4 11 2 2 3 4	inch inch inch	Lambe Gem Worthi	rtngton		
	inch inch inch inch inch inch inch inch	Lamber Hersey Crown Crown Thomp Crown	son		1,500 51 18 5 5 1,03 1,03	1 7 3 1 1 1 1 4 1 1 1 1 1 1 1 3 1 1 1 3 1 1 3 1 3 1 1 3 1 1 3 1 1 3 1 1 3 1 1 3 1	2 3 4 N SERVI 2 3 6 10 10 5 8 4 11 12	inch inch inch	Lambe Gem Worthi	rtngton		- 1
1 2 1 2	inch inch inch inch inch inch inch inch	Lamber Hersey Crown. Crown Thomp Crown. 	son		1,50 51 18 5 5 4 1,03 11	1 3 1 1 1 1 1 9 4 2 8 3 4 3 4 3 4 3 4 3 3 4 3	2 3 4 N SERVI 2 3 6 10 5,4 11 2 2 3 4	inch inch inch	Lambe Gem Worthi	rtngton		- 1
1 2 1 2	inch inch inch inch inch inch inch inch	Lamber Hersey Crown. Orown Thomp Crown. 	son Torren	· · · · · · · · · · · · · · · · · · ·	1,500 51 18 5 5 5 5 4 1,033 11 1 1		2 3 4 5 5 4 1 2 3 5 6 10 2 2 2 3 4 6	inch inch inch inch inch inch inch inch	Crown Lambe Gem Worthi	rtng!on		- 1
1 2 1 2	inch inch inch inch inch inch inch inch	Lamber Hersey Crown. Crown Thomp Crown. 	son	· · · · · · · · · · · · · · · · · · ·	1,500 51 6 5 5 5 1,033 11 1 1	1 7 3 1 1 1 1 4 1	2 3 4 5 5 4 1 2 3 5 6 10 2 2 2 3 4 6	inch inch inch inch inch inch inch inch	Crown Lambe Gem Worthi	rtngton	147 133 4 . 1 3 . 2 . 2 . 21 . 7 . 12 . 9 . 4 . 3 . 2 . 2 . 10 . 7 . 12 . 9 11	- 1
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	inch inch inch inch inch inch inch inch	Lamber Hersey Crown. Crown Thomp Crown. 	son		1,500 1,000 1,	1 1 289 5	2 3 4 5 4 4 1 2 3 6 5 8 4 1 1 2 2 3 4 6 10 5 8 4 1 1 1 2 2 3 4 6 5 8 4 1 1 1 2 2 3 6 5 8 4 1 1 1 1 2 2 3 6 5 8 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	inch inch inch inch inch inch inch inch	Crown Lambe Gem Worthi	rtng!on	1177 133 134 13 13 13 13 13 13 13 13 13 13 13 13 13	- 1
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	inch inch inch inch inch inch inch inch	Lamber Hersey Crown Thomp Crown Hersey Trident	Torren		1,50 5 18 5 5 5 5 5 6 6 6 6 6	1 1 289 5 2 4 4 1 192	2 3 4 4 5 4 4 1 1 2 2 3 4 6 5 4 4 1 1 2 3 4 1 3	inch "" inch "	Crown Lambe Gem Thomso	rtng!on	147 133 143 133 144 147 147 149 141 141 141 141 141 141 141	- 1
1 2 1 2	inch inch inch inch inch inch inch inch	Lamber Hersey Crown Thomp Crown Hersey Trident	Torren		1,50 5 5 5 5 5 5 5 5 6 6		2 3 4 4 1 2 3 6 5 4 1 1 1 2 3 4 6 5 3 4 1 1 3 4	inch "" inch "	Crown Lambe Gem Thomso	rtng!on		

J. G. Anderson, Foreman, S. S. Morey, Clerk.

TURKEY CREEK PUMPINGS.

Months, 1899	Water Gallons	Coal Pounds
April 17th to April 30th	124,505,491	780,674
May	290,128,616	1,718,647
June		1,590,481
July		1,887,380
August		1,932,650
September		1,888,182
October		1.794.044
November	Andread Manager and Australia	1,844,677
December		1,977,916
January, 1900		1,802,615
February		1,577,502
March		1,704,898
April 1st to 16th	122,351.811	748,903
	3,469,959,937	21.248,569

10,624,569 lbs. @ \$1.40 per ton \$14,873.99. \$4.25 per million gallons. Pay Rolls. \$21,285.04. Expense, \$19,591.56.

QUINDARO PUMPINGS.

Months 1899	Water Gallons	Coal Pounds
April 17th to April 30	134,330,351	352,750
May		835,160
June	368,708,920	1,011,310
July	. 354,300,731	1,051,210
August		1,091,560
September	342,061,280	1,054,400
October	359,858,132	1,156,700
November	313,435,051	1,073,100
December	318,659,012	1,192,400
January, 1900	328,895,190	997,750
February	331,816,425	863,470
March	321,685,472	710,850
April 1st to 16th	139,529,069	351,150
	4,004,459,630	11,741,810

5,870 tons, 1,810 lbs. @ \$1.40 per ton, \$8,219.26. \$2,05 per million gallons. Pay Rolls, \$15,978.67. Expense, \$18,825.93.



TWELFTH ANNUAL REPORT

THE NEW YORK PUBLIC LIBRARY

OF THE

BOARD OF PUBLIC WORKS



OF KANSAS CITY, MO.

For the Fiscal Year, 1900.

April 16, 1900, to April 15, 1901.





TWELFTH ANNUAL REPORT

OF THE

BOARD OF PUBLIC WORKS

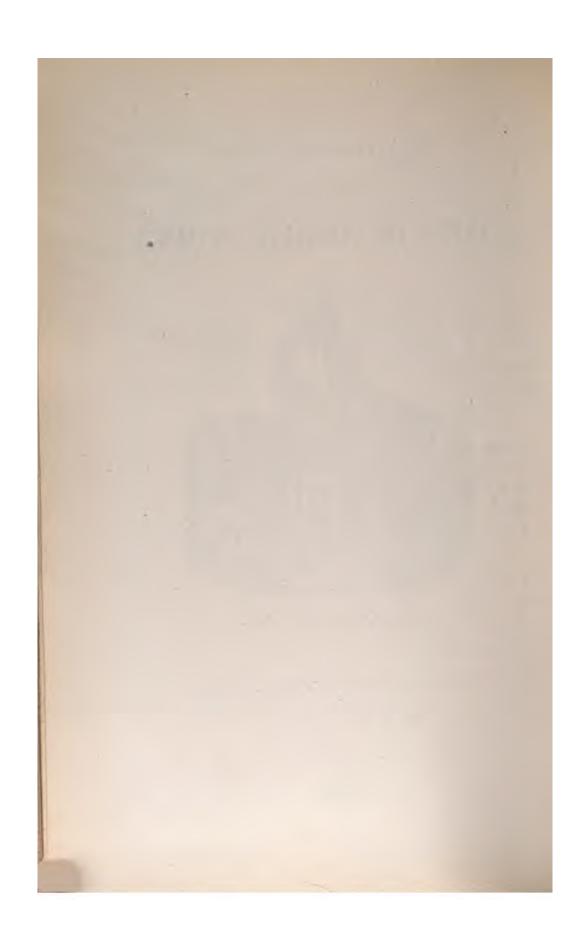


OF KANSAS CITY, MO.

For the Fiscal Year, 1900.

April 16, 1900, to April 15, 1901.





BOARD OF PUBLIC WORKS.

THOMAS M. SPOFFO	RD	-		×		4			President
S. J. HAYDE	-		2		-		-		Member
WM. WRIGHT	+	-				-		-	Member
GEO. KUMPF			-		-		~		- Member
HARRY B. WALKER		-		-		-		4	Secretary
WM. WESTONT	-		-		-			Clerk	k of Supplies
MARY SEBREE	1		-						Stenographer
VINNIE BOSWORTH)								
n.		-			-			-	

DEPARTMENT OF ENGINEERING.

ROBERT W. WADDELL -		City Engineer
STEPHEN A. MITCHELL		- Assistant City Engineer
D. F. MARTIN -		Superintendent of Construction
EDWARD B. SILKWOOD	=	- Chief Clerk
E. A. HARPER -	-	- Chief Draughtsman

DEPARTMENT OF STREETS AND ALLEYS.

T. J. Pendergast	*	0	- "	- St	perintendent
CAMPBELL CHAPMAN	-	-	-	-	Chief Clerk

DEPARTMENT OF BUILDINGS.

M. McTiernan	-	-	-	*	Superintendent
C. J. McGrath					- Clerk

DEPARTMENT OF WATER WORKS.

D. W. LONGWELL	-	-	-	Superintendent
WM. GOODWIN	-	10	+ 1	Chief Engineer
Chas. E. Rickert	4	-		- Chief Clerk

⁺ W. S. Campbell, deceased.

BOARD OF PUBLIC WORKS.

FISCAL YEAR 1889

FISCAL Y	EAR 1889.
NAMES OF MEMBERS,	LENGTH OF SERVICE.
J. M. Patterson, President. Fred Howard, Member L. K. Thacher, Member Phil. E. Chappell, Member	June 11, 1889, to May 2, 1890 June 11, 1880, to April 25, 1890 June 11, 1880, to May 2, 1890
FISCAL Y	
J. S. Cannon, President. Wm. Weston, Member W. A. Kelley, Member J. H. Beckham, Member	
FISCAL Y	
J. S. Cannon, President Jno. R. Stoller, Member H. C. Marphy, Member Chas. A. Rollert, Member TGeo, Holmes, Member	
FISCAL Y	
Peter H. Tiernan, President Chas, A. Rollert, Member Geo. Holmes, Member. †John Taylor, Member. 1Jas. H. Oglebay, Member	April 18, 1892—elected for 4 years April 27, 1891, to April 25, 1893 Nov. 12, 1891, to May 4, 1893 April 28, 1892, to Aug. 9, 1892 Aug. 9, 1892, to April 22, 1892
FISCAL Y	
Peter H. Tiernan, President Arthur J. Mason, Member Geo. Kumpf, Member. Geo. Holmes, Member.	From April 18, 1892—term 4 years Auril 22, 1893, to April 26, 1894 April 25, 1893, to April 25, 1894 May 4, 1893, to May 25, 1894
FISCAL Y	EAR 1894.
Peter H. Tiernan, President John C. Gage, Member L. C. Slavens, Member L. K. Thacher, Member §R. S. Owen, Member	From April 18, 1892—term 4 years From April 25, 1894—term 2 years From April 25, 1894—term 2 years April 26, 1894, to Oct. 31, 1894 Nov. 30, 1894, to April 21, 1896
FISCAL Y	
Peter H. Tiernan, President	April 18, 1892, to April 20, 1896 April 25, 1894, to April 21, 1896 April 25, 1894, to Dec. 4, 1895 Nov. 30, 1894, to April 21, 1896 Dec. 4, 1895, to April 21, 1896
FISCAL YEARS	
Geo. S. Graham, President	From April 20, 1896—term 4 years From April 20, 1896—term 2 years From April 20, 1896—term 2 years From April 20, 1896—term 2 years
	S 1898 and 1899.
Geo. S. Graham, President. Geo. P. Hardesty, Member. M. V. Watson, Member. B. T. Whipple, Member	From April 20, 1896—term 4 years From April 18, 1898—term 2 years From April 18, 1898—term 2 years From April 18, 1898—term 2 years
FISCAL Y	EAR 1900,
THOS. M. SPOFFORD, President. S. J. HAYDE, Member. WM. WRIGHT, Member. GEO. KUMPF, Member.	From April 16, 1900—term 4 years From April 16, 1900—term 2 years From April 16, 1900—term 2 years From April 16, 1900—term 2 years
TGeo. Holmes, appointed, vice John I Hohn Taylor, appointed, vice H. C. M James H. Oglebay, appointed, vice Jo Geo. Holmes, re-appointed R. S. Owen, appointed, vice L. K. Th TTGeo. J. Baer, appointed, vice L. C. 1	urphy, resigned. ohn Taylor, resigned.

REPORT OF THE BOARD OF PUBLIC WORKS

OF KANSAS CITY, MISSOURI.

For the Fiscal Year Ending April 15, 1901.

To the Honorable Common Council, Kansas City, Mo.

Gentlemen:—The Board of Public Works herewith respectfully submits its annual report for the fiscal year 1900—from April 16, 1900, to April 15, 1901.

The apportionment for the year was \$155,000.00; the unexpended appropriations brought over from the last fiscal year (1899) amounted to \$5.35; there was transferred to the funds of the Board of Public Works from the expense fund \$6,000, and from the funds of the Police Department \$5,000. \$7,249.50, collected as tax on vehicles, was turned into the funds of the Board of Public Works, making a total of \$173,254.85 to be accounted for by this Board.

The total receipts and disbursements for the fiscal year were as follows:

RECEIPTS.

Unexpended ap Transferred fro Transferred fro	the Common Council propriations from fiscal year 18' om expense fund om Police Fund	99	5,000 00
	DISBURSEMENTS.		\$173,254 85
Department Expenses	Board of Public Works Engineering Department Street Department Building Department	\$ 9,677 51 65,847 91 81,013 55 7,999 56	\$164,538 53
	, expenditures on account of unexpended, cash in treasury		
Total acc	counted for		5173,254 85

The following table shows the expenses of the several departments of the Board of Public Works and the funds at its disposal, accounted for each year since its organization:

Expenditures of the Board of Public Works Department Since Organized.

Fiscal year ending in April	Board of Public Works	Engineer- ing depart- ment		Building depart- ment	Total	Funds at disposal of Board and accounted for
1893 1891 1892 1893 1894 1895 1896 1897 1897 1898 1899 1990	\$ 6,658 73 11,597 75 10,947 76 9,274 23 24,588 13 9,867 67 9,808 57 13,462 36 12,142 56 8,681 19 13,217 31 9,677 51	\$ 71.863 36 70,957 86 56,354 03 57,858 11 49,496 91 43,059 70 49,575 30 42,125 06 45,753 24 40,524 05 58,722 08 65,817 91	\$ 83,392 28 95,316 44 86,409 76 80,507 88 67,746 25 75,219 15 81,529 69 66,701 77 78,661 48 81,382 89 79,784 96 81,013 55	\$ 17,368 37 12,723 71 7,871 47 7,382 31 6,551 32 5,799 57 6,921 45 6,810 00 6,850 61 8,458 89 8,963 94 7,999 56	\$ 179,282 74 198,595 76 161,883 02 155,022 03 148,876 03 148,876 09 145,894 94 129,089 19 142,807 89 151,049 02 160,088 29 164,538 53	268,417 95 223,882 03 177,090 71 181,499 61 148,848 17 146,387 29 182,594 11 148,503 26 155,429 19 160,693 64
Totals	\$142,960 70	\$659,187 61	\$964,066 20	\$103,701 21	\$1,869,864 11	\$2,181,415 40

PUBLIC IMPROVEMENTS.

Table "A" gives in detail the total amount of public work constructed through the Engineering Department, and the total expenses of that de artment since the organization of the Board of Public Works.

Table "A."

Expenses Engl- ne-ring Dept.	17,898 90 10,907 80 10,807 80 10,465 10 10,465 10 10,755 80 10,755	\$ 664.130 GI
Total E. Work	\$ 808.389 88 578,106 76 88,188 15 810,189 76 87,081 69 87,080 84 827,090 02 877,090 02 1,084,500 87 1,391,470 70	\$0.875,002.60
Planting Trees	17.949 90 15.670 GT	\$ 65,522 GT 8 860,430 Tal.\$ 92,166 62,8215,886 66 \$ 60,716 86 \$ 50,672 66 \$ 38,619 97
Miscel- laneous Public Work	\$ 6.292 12 2.215 14 1,035 98 1,035 98 10,037 70 2,003 70 1,038 97 1,038 97 1,038 105 1,038	\$ 50,072 66
Sprinkl'g and Cleaning	\$65.20 \$15.00	\$ 500,700 80
Sewers O. K. Creek	7,858,20 8,418,30 8,418,30 1,724,60 1,724,40 4,800,50 1,630,10 1,7	\$215,888 05
Sewers Public	raigable atte	\$ 92,106 62
Sewers Di-triet	1140,057, 27 8 1140,057, 27 8 10,482, 20 10,843, 88 10,848, 10 118,325, 83 118,325, 83 118,377, 118 15,477, 118 15,477, 118 16,477, 118 17,818, 102 17,818, 103 17,818, 103 17,818, 103 17,818, 103 17,818, 103 17,818, 103	8 889,420 St
Bridges and Vladuets	57,000 00 6,218 57 8,518 57 15,200 00 1,407 00	8 65,522 57
Sidewalk Repairs	86,500 57 14,216 56 14,216 50 14,216 50 16,718 50 17,418 50 17,500 54 17,500 54	\$149,280 22:
Sidewa'k- Sidewa'ks Plank First- Class	\$ 22,070 47 \$2,248 88 \$2,248 88 \$7,504 88 \$7,504 88 \$7,504 88 \$7,504 88 \$7,504 88 \$7,504 88 \$1,100 86 \$1,100 86 \$1,100 86	\$81.90b 86
Sidewa'k. Plank	8.8714 80 18,088 80 18,088 80 8,008 10 8,008 10 8,008 10 1,100 10	1185,674 97
Paving Streets and Alleys	775,702 84 288,072 84 282,421 84 282,421 91 282,421 84 283,105 84 283,105 84 284,105 84 287,113 84	80 100'000'0
Curbing	73,412 44 8 80,271 49 80,271 49 80,000 09 11,458 80 11,508 90 90,349 70 81,300 81 81,300 81 81,300 81 81,300 81 81,300 81 81,300 81 81,300 81 81,300 83 81,300	1001,385 46.8
Grading Streets and All ys	1100,731,71,8 06,707,70 08,000 Mi 17,086 Mi 12,086 TO 12,081 TO 28,158 12 28,158 12 39,158 13 39,158 Mi 39,158 Mi	\$563,096 03 \$601,385 46 \$6,500,0
Fiscal Year Endig April	1860	Tota 8

The mileage and cost of each kind of pavement constructed during fiscal year ending April 15, 1901, is as follows:

Materials	No. of Con- tracts	Lineal Feet	Miles	Square Yds	Cost	Average Cost per Sq. Yd.	No of Bills
Asphalt -Trinidad Lake	50	52,214.50	9 89	188,917.00 \$	380,259.82	\$2.06	2,085
Bitumin us Rock	16	14,462 09	2.74	48,399.10	92,132,29		478
Brick	15	17.617.50 17,850.00	3,34	58,439,30 83,401,51	91,628.08 142,980.76		941 526
Totals	86	102,144.09	19.35	369,156.91 \$	707.000.90		4,025

The work completed during the fiscal year through the Engineering Department cost \$1,202,810.26, and the expenses of the Department for all purposes were \$65,847.91.

The paving and re-paving of streets cost \$707,000.90, and of alleys, \$12,281.15, a total of \$719,282.05.

The following tables show the mileage and cost of all street paving work constructed from 1899 to 1900, inclusive, and kinds of material used:

Commencing January 1, 1889, and ending May 9, 1889.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd.
Asphalt	2,570,00 1,027,00	0.486 .194	7,645,68 4,098.70	\$21,407 76 2,746 13	\$2 S0 67
Totals	3,597.00	0.68	11,744.33	\$24,153 89	

Commencing May 9, 1889, and Ending April 30, 1890.

Material Used.	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd,
Asphalt Cedar Blocks Granite Blocks Brick	11,209,30 36,674,97 1,173,00 3,525,00	2.12 7.185 .22 .67	42,293.97 146,722,14 5,079,57 13,256,72	\$117,806,96 208,607,08 16,527,42 27,056,36	\$2.80 1.42 3.25 2.04
Total	52,582.27	10.145	207,852,40	369,997.82	

Commencing April 30, 1890, and Ending April 20, 1891.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd
Asphalt Cedar Blocks Macadam Stone Blocks	4,307 00 14,901,70 546,00 2,655 80	,90 2.82 ,10 ,50	15,631.40 50,394.50 2,765.00 7,915.80	\$48.890.92 71,160.78 1,161.80 28,074.89	\$2,765 1,412 ,42 2,915
Totals	22,410,50	1.21	76,706.80	\$144,287,89	

During Fiscal Year Commencing April 20, 1891, and Ending April 18, 1892.

Naterial Used	Lineal Feet	Mi es	Square Yards	Cost	Average Cost per Square Yd
Asphalt Brick Macadam Stone Blocks Cedar Blocks	774.30	2.86 1.27 1.67 .14 .26	57,110 89 24,079 80 34,258 50 3,054,70 4,572,00	\$144,298 71 40,390,62 32,839,91 7,850,91 6,707,89	\$2.526 1.677 .968 2.578 1.48
Totals	32,742.80	6,20	128,071.79	\$202,157.04	

During Fiscal Year Ending April 17, 1893.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd
Asphalt	12.894.15 9,534.95 14,648.06	2,85 1,80 2,77	48,163,80 34,829 30 50,207,70	\$124,117.04 57,557.74 87,510.46	\$2,576 1,649 .747
Totals	36,572,16	6.92	188,200.80	\$219,185.24	

During Fiscal Year Ending April 16, 1894.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd
Asphalt	18,908.15	5.51 8.59 6.08 .42	99,443,50 74,001,60 118,962,60 9,937,50	\$257,089,35 63,945,47 195,184,95 6,265,88	82,080 ,864 1,647 ,68
Totals	82,420.85	15,61	802,845.20	\$522,485,65	

10 ANNUAL REPORT OF THE BOARD OF PUBLIC WORKS.

During Fiscal Year Ending April 15, 1895.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd
Asphalt	27,221.70 6,837,60 13,131.40 329,50 2,068,15	5.16 1:29 2.49 .06 .30	118.460.26 21,772.00 45,977.80 1,238.80 8,481,60	\$308,754,62 19,787,02 61,914,79 3,077,84 9,680,93	\$2.64 .899 1.346 2.47 1.05
Totals	49,588.35	9,39	195,930.46	\$103,024 20	

During Fiscal Year Ending April 20, 1896.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd
Asphalt—Trinidad Lake Brick Macadam Stone Blocks Cedar Blocks	34,717,75 10,157,70 12,208,99 1,487,70 600,50	6,57 1,92 2,32 ,28 ,11	129.612,78 35.486,40 55,789.20 6.885.00 1,762,00	\$829,791 86 48,719 25 49,814 42 9,035 83 1,973 44	\$2.544 1.307 .894 1.40 1.12
Totals	50,232.61	11.21	229,485,38	\$489,931 30	

During Fiscal Year Ending April 19, 1897.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd.
Asphalt Brick Maeadam	44,420,30 23,123,60 24,126,50	8.41 4.38 4.57	156,056,80 82,452,50 121,812,60	\$340,498 60 117,224 40 78,900 04	1,421
Totals	91,670.40	17.36	360,851,90	\$006,680 04	

During Fiscal Year Ending April 18, 1898.

Material Used	Lineal Feet	Miles	Square Yards	Cost	Average Cost per Square Yd.
Asphalt—T inidad Lake Asphalt—American Bituminous Rock,	13,672.20 10,019.10	2.60 1.90	43,492.10 35,447.90	\$91,895,76 70,248,96	\$2,118
Brick	24,995,43 14,806,10	4.73 2.80	84,830,50 55,892.00	117,824:10 58,000.82	1.397 1.047
Totals	68,492.88	12.03	218,662,50	\$887,969,64	

During Fiscal Year Ending April 18, 1898. (Annexed Territory.)

Material Used	Lineal Feet	Miles	Square Yards	- Cost	Average Cost per Square Yd
Asphalt Macadam	39,238,47 160,870,00	7.43 30.87	127,767.30 188,794.40	\$262,508.74	\$ 2.065
Totals	199,608,47	87,80	716,061.70		

During Fiscal Year Ending April 17, 1899.

Material Used	Lineal	Miles	Square Yards	Cost	Average Cost per Square Yd
Asphalt—Trinidad Lake Asphalt—American Bitumin- ons Rock Brick Stone Blocks (Repairs)	54,390,38 24,212.00 23,062.70 1,040.00	10.8 4.59 4.87 .19	201,987,20 75,885,80 76,196,80 6,780,80	\$484,061.25 158,267.45 112,580.88 6.934.25	\$ 2.12 2.10 1.48 1.022
Totals	102,700,08	39,45	863,279.80	\$712,690 tis	

During Fiscal Year Ending April 16, 1900.

Material Used	No. of Con- tracts	-Linea Feet	Miles	Square Yards	Cost	Aver- age Cost per Sq. Yard	No. of Bills
Asphalt—Trn'd, Lake Asphalt—Americans Bituminous Rock Brick	45 15 28 6	60,396,35 20,017,00 25,100.00 8,580,00	18 20 3,847 4,735 1,62	232,863.00 63,361.00 83,385.00 36,945.14	\$ 315,060 01 129,384 91 125,088 64 58,094 63	8 2 04 2 04 1 50 1 57	3000 806 1225 243
Totals	94	123,594.55	23,40	436,234.15	108,008 10		

The aggregate mileage of paved streets is as follows:

Material Used	Total Lin- eal Feet Const'd	Lineal Ft Taken up and Repvd	Lineal Feet Constructed to Date	Miles
Asphalt Vitrified Brick Stone or Granite Blocks Macadam Cedar Blocks	194,560. 1 15,091,00 250,905,00	4,300 4,801 52,800 278,834	Asphalt 476,382,23 Brick 190,260 21 Stone Blocks 11,829.00 Macadam 198,105,00 Cedar Bi'ks 6,058.00	90,22 86,04 2,24 37,52 1,11
Totals	1,216,890.44		882,084.44	167.16

With the close of the fiscal year, the public work under contract amounted to \$559,937.47, as follows:

Material Used	No. of Con- tracts	Lineal Feet	Miles	Estimated Cost	Tota
Paying, Asphalt	83	48,000	9.09	\$ 805,237.66	
" Brick	4	2,616	.50	14,260.51	
" Macadam	2	8,400	.64	28,826.00	\$ 348,324.17
Curbing, Natural Stone	9	27,548	5,21	11,569,10	
" Artificial Stone	12	30,361	5.75	13,076.20	
" Curb and Gutter	3	9,710	1.84	8,822.36	39,467.60
Sidewalks, Natural Stone	4	3,471	.65	3,268,72	
" Artificial Stone	38	31 872	6.01	34,794,71	100
" Brick	3	5.641	1.07	3.113,70	
" Plank	17	8,900.25	1.68	3,072.07	44,249.20
Grading Streets	13	22,055.62	4.18	19,950,12	19,950.13
Sewers	4	45,493,€0	8.62	103,089.08	103,089.08
Tree Planting	19		********	4,246.83	4,246,83
Totals	169				\$ 559,987.45

Certificates of special taxes against City property for improvements were issued to the amount of \$26,099.78 during the fiscal year.

Special tax bills were issued to the number of 26,222. Objections to them were filed in but ten cases.

LIGHTING STREETS.

At the close of the fiscal year there were 2,201 gas lights, 1,363 gasoline lights and 241 electric lights in service, an increase of 13 gas lamps and 10 electric lights, and a decrease of 44 gasoline lamps during the year.

The city paid \$12.00 each for gas lights (moonlight schedule), \$110.00 each for electric (arc) lights (all night schedule), and \$17.00 each for gasoline lights (moonlight schedule), and the total cost of street lighting for the year was as follows:

Kansas City-Missouri Gas Co	\$25 720 79
F. K. Hoover, gasoline lights	23,595 30
Kansas City Electric Light Co	27,859 21
Total	\$77,175 30
Cost Street Lighting Fiscal Year, 1893	\$68,929 10
*Cost Street Lighting Fiscal Year, 1894	58,428 01
*Cost Street Lighting Fiscal Year, 1895.	64.574 83
Cost Street Lighting Fiscal Year, 1896	59,077 77
Cost Street Lighting Fiscal Year, 1897	63,920 97
Cost Street Lighting Fiscal Year, 1898.	71,512 12
Cost Street Lighting Fiscal Year, 1899	74,414 17
Wartain deductions made to being the next within the annual	

WATER WORKS.

The city has received during the year revenue from the water works to the amount of \$428,209.78, and with the balance of \$125,925.67 from last year, makes \$554,135.45 to be accounted for.

The total operating expenses of the department, including the extension of mains, betterment of plant and expenses of the office of Assessor and Collector of Water Rates, were \$388,438.01. This also includes the eighth and ninth semiannual payment of interest on the \$3,100,000,00 of water works bonds amounting to \$137,790.00; the appropriations for extension of mains and betterment of plant amounted to \$99,761.29 and a balance of \$165,697.44 remains in the hands of the City Treasurer.

THE TOTAL RECEIPTS AND DISBURSEMENTS OF WATER WORKS DEPARTMENT FOR THE FISCAL YEAR 1900, WERE AS FOLLOWS:

- RECEIPTS.

- KAC	MAN AND		
Water Rates		\$146,290 29	
Meter Rates		262,264 73	
Building Permits		6,700 47	
Special Permits		1,947 82	
Deposits		3.702 50	
Corporation Cocks		2,503 50	
Corporation Cocks Meters Set		2,476 95	
Meters Repaired		2,656 01	
Meters Sold		387 50	
Fines Miscellaneous		42 00	
Miscellaneous		2,899 98	
Comptroller's Receipts		514 15	
Total Gross Receipts		\$432,445 90	
Less Water Rates Rebated Less Deposits Returned	2,396.25	4,236 12	
Net Receipts		9428 200 78	
Net Receipts Balance with City Treasurer from	1899	125,925 67	\$554,135 45
DISBURS	SEMENTS.		
Superintendent and Engineer's Off	fice	\$ 8.136 84	
Street Department		11.933 43	
Inspection Department		14.045 19	
Meter Department		7.308 75	
Betterment of Plant		37,313 62	
Turkey Creek Pumping Station		39,864 50	
Quindaro Pumping Station		. 32,352 13	
Quindaro Pumping Station Miscellaneous Expenses. Assessor and Collector's Office		. 8,538 28	
Assessor and Collector's Office		13.631 63	
Interest on Bonds		137,790 00	
Appropriations		62,447 67	
Barn		5,337 33	
Construction to be repaid		9,724 29	
Rebates and Refunds	tere come de	14 35	
Total Disbursements			\$388,438 01 165,697 44
Balance with City Treasurer to 190	71		
			\$554,135 45

Reports of the City Engineer, Superintendent of Streets, Superintendent of Buildings and Superintendent of Water Works Department accompany this report.

THE BOARD OF PUBLIC WORKS,

GEO. S. GRAHAM, President.
GEO. P. HARDESTY,
M. V. WATSON,
B. T. WHIPPLE,

Members.

April 16, 1900.

SECRETARY'S REPORT.

STATEMENT OF BOARD OF PUBLIC WORKS FUND

For the Fiscal Year Ending April 15, 1901.

RECEIPTS.

Apportionment for the fiscal year S	155,000 00		
Appropriations from last fiscal year Transferred from expense fund	5 35		
Transferred from expense fund	6,000 00		
Transferred from Police Fund	7.249 50		
Tanton and the analysis of	riers on		\$173,254 85
			4210,401 00
EXPENSE	S.		
BOARD OF PUBLIC	WORKS.		
Pay Rolls, Members and Clerks \$	5.873 62		
Miscellaneous Expenses	3,803 89		
Total		\$ 9,677	51
ENGINEERING DEP	ARTMENT		
Pay Rolls for Department 8	58.675 22		
Pay Rolls for Horse Hire			
Abstracts for Grading and Condemna-			
tion Plats Miscellaneous Expenses	1,205 55		
Miscellaneous Expenses	5,108 79	1	
Total		\$ 65,847	91
STREETS AND ALLEYS D	EPARTME	ENT.	
Pay Rolls for Department S	72,117 70		
Pay Rolls for Horse Hire and Keep Miscellaneous Expenses	344 50		
Miscellaneous Expenses	8,551 35		
Total	1	5 81,013	55
BUILDINGS DEPAR	TMENT.		
Pay Rolls for Department	7 000 17		
Miscellaneous Expenses	39		
Total	-	8 7,999	56
Appropriatio	NS.		
Expended under Appropriation\$	6.536.17		
Balance unexpended and forward to	0,000 17		
fiscal year, 1901 S			
Total		8 716	22

5 8,716 32

\$173,254 85

Total

Total Accounted for

Fiscal Year 1900. Buildings Department. Disbursements.

Month 1900	Pay Rolls	Office	Totals
April 16-30 May June June July August September October November December January, 1901 February March April 1-15	\$ 380 91 705 41 614 26 731 71 748 96 640 96 640 96 680 56 705 76 784 56	,39	\$ 1850 91 705 41 614 26 731 71 748 96 720 16 694 96 641 35 610 96 680 56 705 76 734 56
Totals.	\$ 7,999 27	\$ 39	\$ 7,999 56

Statement of Special Appropriations. For the Fiscal Year 1900.

Balance Unexpended	# 4 85 2,100 00	\$2,104.35		\$2,101.05
Amount Charged Back	\$ 1 (60 \$ 7.00 00 \$ 2.700 00 \$ 55	\$ 582 05	8 882 00	
Amount	2,700 00 4,000 00 4,000 30 250 40 25,002 05 312 35 50 60 55 50 60 50 50 60 50 50 50 50 50 50 50 50 50 50 50 50 50	8 11,256 00		
Appropriat'ns and Balances	2,700 00 5,2	\$ 14,242 40	\$ 14,242.40	***************************************
Contracts	1917 To open and establish Charlotte street, 32nd to 34th (carried forward from 1800) 1918 alley between Woodhard and Michigan, 38th to 39th 1919 cantured bridge over O K Oreck sewer at Pennsylvania Ave. 1919 repair bridge over O K Oreck sewer at Pennsylvania Ave. 1919 repair of and Ave bridge over Belt Line Rallway. 1919 Andrew Jaichs for paving parts of Benton Bivd, Indep'd Ave to 1818 st		Total appropriations to be accounted for \$14,342 40 \$14,342 40 \$14,345 00 \$14,345 to fixed year 1900 \$11,250 00	Unexpended talances over to fiscal year 1901.
No. of Ordinance	12174 T 13165 14711 14886 16082 16082 16080 16126 16126			

Receipts of Water Department,

Classified Table of Receipts of Water Department from the time (September 1, 1895) the City took possession.

Deposited with City Treasurer	8 200 16 \$ 207,225 10 6,240 16 407,116 71 4,584 10 40,510 29 4,208 19 807,287 88 4,206 19 807,287 88	50 \$20,476 28 \$10,212 51 \$20,602 55 \$10,078 55 \$ 9,887 88 \$10,006 68 11,713 00 \$ 1,554 00 \$ 114,859 54 \$11,128 17 \$21,737 47 \$2,827,505 94
Rebutes and Deposits Returned	\$ 228 8 228 1 012.0 1 012.1 1 012.1 1 012.1 1 012.1 1 012.1 1 012.1	\$ 21,737 4
Interest and Miseci- lancous	88 97 1.619 47 88 97 8 97 1.62 98 93 1.17 63 93 1.17 6	71 821,11 8
Miscellan- and eous Miscel- lancous	88,2811 79 ft. 25,2811 50 dt. 25,2811 50 dt. 25,2810 00 dt. 25,280 98	\$ 114,659 54
Fines	\$ 421 00 \$ 581 00 \$ 168 00 168 00 168 00 168 00 42 00 42 00	\$ 1,554 00
Neters	\$ 1,131 00 \$ 8,304 50 8,427 50 1,146 50 2,316 00 887 50	\$ 11,718 00
Meter Repairs	\$ 573 78 1.198 46 686 55 2.001 08 2.560 80	\$10,006 68
Meters	1,042 20 1,007 72 8 1,206 72 8 1,809 50 2,209 88 2,417 603 10 1,529 95 2,417 60 2,476 95 2,508 50 2,476 95	\$ 9,887 88
Corpora- tion Cocks	\$ 548 35 1,042 20 1,899 50 1,640 00 2,417 00 2,503 50	\$ 10,078 55
Deposits Corpora- Meiers tion Set Coeks	5 1.163 82 8 0,429 65 8 1.455 13 5,703 80 1.128 91 2,957 00 2.612 00 4,400 35 1.1447 82 5,702 50	\$ 26,602 55
Building Special Permits Permits	\$ 1,168 82 1,455 13 2,000 64 1,128 94 2,512 09 1,947 82	\$ 10,212 51
Building	\$ 2,574 65 8 1,024 63 4,304 76 5,910 02 7,171 75 6,700 47	\$ 30,376 28
Meter	\$ 110,301 00 218,785 09 234,120 31 246,045 85 237,659 65 262,264 73	318,181
Water	\$ 95,605 11 132,591 43 139,691 59 142,99× 78 138,210 35 146,290 29	8794,787,48
Fiscal Year Ending	April 20, 1806 April 19, 1807 April 17, 1809 April 16, 1900 April 16, 1900	Totals \$794,787 48 \$1

Expenditures of Water Department,

Classified Table of Expenditures of Water Department from the time (September 1, 1895) the City took possession.

Totals	\$ 199,899 na 87,700,788	11,089 12 8,840 84 57,280 54 97,044 60 6,345 87 11,130 89 18,740 60 187,192 02 123,444 91 4,046 71 5,022 80 18,532 18 581 681 681 681 681 681 681 681 681 681 6	11 878,819,93
Barn Construc Hon to be Repaid	y includ'd t Depart-	18 1,545 21 5,012 88 9,724 99	£ 16,282 38
Ваги	Formeri in Stree m	8 4,590 G 4,946 71 5,887 8	\$ 14,874 67
Turkey Creek Quind'ro Miscel- and Col- Rebates Interest Sinking Appropriate Funding Funding Islancous lector of and Station Exp'nses Water Refunds on Bonds Fund Mains, etc.	\$ 11,427 11 80,88 22	77,222 to 12,244 to 12,447 to 1	\$ 45,157 00 \$ 74,789 90 \$ 06,705 14 \$ 62,000 57 14,789 90 \$ 62,000 57 14,789 90 \$ 62,000 58 14,874 07 \$ 127,808 17 \$ 127,808 17 \$ 127,808 17 \$ 127,808 17 \$ 12,882 38 \$2,218,978 41
Sinking	\$ 40,000 00	157,122 62	\$ 307,122 62
Interest on Bonds	\$ 69,750 00 139,500 00	138,195 00 137,992 50 137,790 00	\$ 662,075 00
Rebates and Refunds	281 80	113 35	\$ 544 92
Assessor and Col- lector of Water Rates	\$ 6.340 69 11,137 11	11,136 89 12,732 40 13,631 68	\$ 66,588 12
Miscel- laneous Exp'nses	\$ 4,012 83 4,891 68	6,346 87 5,517 04 8,538 28	\$ 88,470 59
Quind'ro Fumping Station	\$ 15,864 65 21,623 27 25,079 00	25,044 50 84,804 60 82,452 13	\$155,76821
Turkey Creek Fumping Station	\$ 21,049 79 81,987 50	37,280 54 40,876 60 30,864 50	\$ 212,878 48
Better- nent of Plant	\$ 4,914 64 4,026 42 84,065 59	8,840 82 88,638 08 81,318 62	\$127,808.17
Meter Depart nment	\$ 8,029 88 18,158 70 14,768 87	11,089 ±2 8,019 81 7,308 73	\$ 62,362 57
Street Inspec- Depart tion De- ment partm'nt	\$ 5,251 58 8,911 43 12,405 62		8-06,705 14
- 1	\$ 8,425 51 10,857 55 14,208 73	11,517 84 14,811 88 11,988 48	\$ 74,780 96
Superin- tendent and En- gineer's Office	\$ 4,065 (31 \$ 8,495 51 \$ 5,251 53 \$ 5,911 43 8,025 35 14,208 73 12,405 62	7,903 02 8,120 99 8,136 84	\$ 45,157 00
Fiscal Year Ending	896	April 17, 1830 April 16, 1900 April 15, 1901	Totals

Fiscal year 1900, Streets and Alleys Department,

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sintoT	\$ 8,198 72 5,408 68 9,504 69 9,504 19 7,828 89 9,506 11 6,519 48 5,207 60 5,207 60 5,207 60 6,207 60 1,207 62 1,207 62 1,207 62	\$ 81,013 55
Miscellaneous	** ** ** ** ** ** ** ** ** **	\$ 1,601 11
Sprinkling	** ** ** ** ** ** ** ** ** ** ** ** **	\$ 430 00
Hardware	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	\$ 816 52
Brooms and	20 00 1186 00 1186 00 2118 00	\$1,982 00
Sewer Pipe	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	\$ 447 07
Hock and Sand	5258-38-8 3 588858845 8	\$ 879 96
Lumber	\$ 255 02 458 58 100 06 170 73 170 73	\$1,480 17
Repairs	-8	\$ 507 46
Horses and Keep	* # # # # # # # # # # # # # # # # # # #	\$1,942.76
Pay Rolls	\$ 3,002 28 5,002 28 5,002 28 8,003 28 8	S 71,938 20
Month 1900	April 16-90 May July August, August, September October November January, 1901 March April 1-15.	Totals

Fiscal Year 1900. Department of Water Works. Expenses Classified.

Interest on Bonds	\$ 08.805.00	\$137,750 00
Construction to be Repaid	25 20 23 25 25 25 25 25 25 25 25 25 25 25 25 25	49,724 20
ning	8558 8 8 8 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2	\$5,387 38
Appropriations	8. 8.400 St 1,508 St 1,508 St 1,508 St 1,509 St 1,509 St 1,489 St 1,489 To 1,489 To 1,489 To 1,489 To 1,480 To 1,507 To 1,480 To 1,507 To	\$ 62,447 67
Hebates and	12	\$ 14 85
Assessor and Collector's Office	* 128 8 8 11.168 8 11.168 8	\$13,631 63
Miscellaneous	* 583 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$ 8,538 28
andaning Buiqua'l notials	\$2,032.84 9,2033.85 9,2033.85 9,2033.85 1,0338.95 1,0338.95 1,010.85 1,010.85 1,010.85	\$82,852 18
Turkey Greek Pumping Station	2.852 88 8270 82 8270 82 8270 82 8270 82 8270 82 82 82 82 82 82 82 82 82 82 82 82 82	\$39,864 50
Betterment of	\$ 1,142 68 1008 56 1,867 68 1,469 60 6,541 88 8,174 48 8,174 48 1,576 21 1,576 21 1,118 80 4,888 60 6,14 88	\$87,318 62
Neter Meter	200 200 200 200 200 200 200 200 200 200	\$ 7,808.75
Inspection	\$ 526 01 1,135 11 1,035 11 1,035 11 1,036 41 1,036 41 1,161 78 1,161 78 1,151 12 1,155 39 610 83	\$14,045 19
Street	\$ 551 60 1,338 06 748 90 808 90 1,085 90 811 55 875 55 871 55 875 875 55 875 br>875 55 875 811,988 4B	
Superintendent and Engineer's Office	25 25 25 25 25 25 25 25 25 25 25 25 25 2	\$ 8,130 81
Month 1900	April 16-30 May. June. June. June. June. June. June. June. June. June. September October. December December March April 1-15.	Totals

Appropriations for Extension of Water Mains and Improvemen's.

of-	1	Appropri-	Amount	Amount	Balance
No. of Oraș- nance	Location of Main or Improvement	Balances	Expended	Uharged Back	pended.
13894	Main on 20th st, Granday to McCoy.	\$ 8,110 00	\$ 2,897 11	\$ 212 89	
14563	" Myrtle av, 18th to 19th	600 00	463 00	187 00	
14858	Water Trough near Monroe & Inday	75 00 2,945 to	20 72	*********	8 54 28
14396	Main on Troost av, 35th to 39th Troost av, 39th to 41st	1,700 00	2,608 00	842 00	errener
11011	" Troost av, agen to 41st	385 00	334 10	203 00 50 90	
	" Morrell av, Bales to Askew. Refund to W. H. Fuller, ac leakage		18 00		
14650	Main on Woodland, 28th to 30th	1,070 00	1,370 00	mine and	
14595	" 28rd to 28th	3,470 00	2,907 17	562 83	*******
13878	" 25th, Charlotte to Tracy	4,100 00	8,447 50	652 50	*********
11829	" Walnut, 86th to 39th	1,950 00	1,642 00	308-00	THE PARTY AND
14830		1,005 00	255 00	25 00	*******
14905	Destriming outst of some contract	789 00	547 00 710 00	458 00	******
	mymidotte, o m bru to min	100.00	110 00	79 00	4 (52) 525.50
Transfer.	To construct retaining wall Holly st Reservoir	9,250 00			9,250 00
15081	Main on Wyandotte, 35th to 36th	744.97	639 71	105 26	9,200 00
15083	" Monroe, Gladst'e to Windsor	595 36	478.86	116 50	
15082	" Lydia, 32nd to 35th	1,605 00	1,372 00	233 00	*********
15215	" Lydia, 22nd to 23rd	607.00	380 10	29 90	
15217	" Tracy, 34th to 35th	607 00	558 00	54 00	********
15216	" Forest av, 34th to 35th " Highland, 23rd to 25th	1,245 00	529 00 965 00	78 00	10000-1-110
15424 15428	" 35th, Troost to Lydia av	1,680 00	1,412 00	280 00	
15491	" Hist, Chestnut to Benton	480 00	458 (0	22 00	*********
15489	" 9th, Cleveland to Elmwood,	3,724 00	3,170 50	503 50	4754547531
15490	" Clinton Place, St. John to	man wa	1		1000
	Scarritt	100.00	563 00	167 00	
15619		803 00 600 00	083 00	120 00	********
15698		650 00	215 00	88 00	ITETOTORIO
15691 15692	arth, Irost to Iracy	840 00	529 00 666 00	121 00	1+++>+>1+1
15829	Fritzen, Attest bes America	785 00	667 60	174 00 117 40	
15726		300.00	268 00	32 00	
15725	" Michigan, 30th to 35th	2,769.00	2,374 00	395 00	
15827	" Kensington, 15th to 20th	2,133 00	1,523 00	310.00	
15825	H Overgoes 15th to 90th	2,842 00	1,805 00	587 00	
15828	" Virginia, 33rd to 35th	第80 00	780 00	167 00	100011-10
17820	" Bird, Tracy to Virginia	278 00	178 00	52 00	Sancarates.
11,890	" Highland, 11th to 12th	793 70	179 00 793 70	94 00	********
15425	" 25th, Tracy to Lydia	581 50	581 50		
15943	" Jefferson, Stat to Fulton	1,871 00	1,113 50	257 50	
16303	To pay P. C. Folk and G. E James,			407.00	
	malaring	247 743	97 50		
16039	Main on Bath, Mich to W'dland	871 00	322 00	49 00	STREETS
10254	Main on Brooklyn, 29th to 30th	084 20	884 20	44-121-14-16-1	division.
16659	To refund to E. B. Kratz, account	7 37		1	
10000	leakage	4	7 37	*********	********
10290	Main on Euclid, 31st to S line Lin- wood Boulevard	697 00	561 00	136 00	-
16170	Main on 35th, Lydia to Woodland	1,800 00	1.192.00	668.00	**** ****
16827	Main on Tracy, 30th to 3ist	1,155 00	838 00	817 00	
168,0	" Armour Boulevard, Broad-			1	
	way to Main	1,825 00	1,557 00	ALLEST THE PARTY IN	568-00
1/808	Main on Tracy, win to with	970 00	(80 00	205 00	
16402	To refund to Geo. Law, leakage	1,191 00	989 00	202 (0)	********
10037	Main on 9th, Elmwood to Lister	614 00	22 83 508 00	111 00	******
15681			1,248 10	31 90	411111111
16597	" Kensington, 14th to 15th	425 00	58.00	372 00	111111-4-11
16749	To refund to Joe, Hoag, acet leakage	26 13	26 13		*********
10748	" 10 H. Maas, acct leakage	10 110		districts to a	
16751	14 to J. J. Vineyard, leakage	18 61	18 61	1++++++++++	*****
16815		4 11	4 11	14 x x x x x x 1 x 5 +	PARTITION
16750	Main on Falson't Such to Bontage	13 60 1 278 00	18 60 148 00	235 00	
	Main on Fairm't, 24th to Benton P.	3,620 60	2,567 00	1.053 00	The second second
16032	" 34th, Broadway to Wyand'tte			144 00	
16841	" Mersington, 12th to 14th	549 00	460 00	89 00	
16842	" 14th, Mersington to Norton	506.00	407 00	99 00	
16843	18th, Norton to Jackson	457 00		140 00	
10840	" Norton, 18th to 14th	269 00		60 00	CONTRACTOR
	ii Wwandotto 94th to 95th	507 00	201 00	6:00	
19774	" Wyandotte, 34th to 35th	001.00	603 60	19.00	

Fiscal Year 1900. Buildings Department. Disbursements.

Month 1900	Pay Rolls	Office Supplies	Totals
April 16-30 May June. July August. September. October. November. December January, 1901. February March	\$ 380 91 705 41 614 20 = 781 71 748 96 720 16 604 96 640 96 680 56 705 76 784 56	.39	\$ 380 91 705 41 614 26 731 71 748 96 720 16 694 96 641 35 610 96 680 56 705 76 734 56
Totals	\$ 7,999 27	\$ 39	\$ 7,999 56

Statement of Special Appropriations. For the Fiscal Year 1900.

Balance	8 1 25 2 100 00	\$2,101.33		\$2,101.35
Amount Charged Back	\$ 1.00 4,400 30 4,400 30 2,700 00 4,400 30 2,700 00 2,700 00 2,700 00 3,500 00 3,100 00 3,100 00	\$ 882 05	\$ 882 06	
Amount	2,700 mg 4,400 mg 4,400 mg 4,400 mg 2,700 mg 2,900 ± 0,900 ± 0,900 ± 0,900 ± 0,900 ± 0,900 mg 2,800 ± 0,900 mg 2,800 mg	\$ 11,256 00	\$ 14,282 00 \$ 11,205 00 \$ 882 05	The state of the same
Appropriat'ns and Balances	\$ 1 00 2,700 00 5,000 00 5,000 00 2,502 05 450 00 450 00 450 00	\$ 14,242.40	1 1 1	
Contracts	1217 To open and establish Charlotte street, \$2nd to \$4th (carried forward from 1800) alley between Woodland and Michigan, 18th to 59th 1811 in pay for paying Grand Ave between 8th and 9th streets and the construct bridge over 0 K Greek sewer at Pennsylvania Ave and the ruisance at 37th and Warwick Boulevard. Fepair Athas street viaduct. Boulevard over Relt Line Railway. Topair 6th street viaduct over Relt Line Railway. Topair Grand Ave bridge over Relt Line Railway. Topair bridge on S. W. Boulevard over 0 K creek and Belt Line Railway. Topair bridge on S. W. Boulevard over 0 K creek and Belt Line Railway. Topair bridge on S. W. Boulevard over 0 K creek and Belt Line Railway.		Total appropriations to be accounted for expenditures for fiscal year 1900	Unexpended balances over to fiscal year 1901.
No. of Ordinance	12174 13165 13165 1500 1500 1500 1500 1500 1500 1500 1			

Receipts of Water Department.

Classified Table of Receipts of Water Department from the time (September 1, 1895) the City took possession.

Deposited with City Treasurer	8.280 16 \$207,225 10 4.281 20 187,146 74 4.508 10 187,115 21 4.508 10 807,237 80 4,208 12 CS,200 78	318.181 58 \$ 30,376 28 \$ 10,212 51 \$ 20,002 55 \$ 10,075 55 \$ 9,887 88 \$ 10,006 68 \$ 11,71 00 \$ 1,554 00 \$ 11,054 50 \$ 11,128 17 \$ 21,737 47 \$ 23,227,545 04
Rebates and Deposits Returned	823 35 1,249 15 1,584 20 1,387 16 1,508 19 1,296 12	\$ 21,787 47
Interest and Miscel- laneous	8 808 07 1,019 47 2,108 53 5,1108 53 840 31 15 5,14 15	\$ 11,158 17
Miscellan- eous N	28,281 70 28,981 50 87,422 95 8,910 00 8,882 72	114,659 54
Fines	\$ 121 521 525 526 526 526 526 526 526 526 526 526	\$ 1,554 00 \$
Meters	\$ 1,131 00 3,304 50 3,427 50 1,146 50 2,316 00 387 50	8 11,718 00
Meter Repairs	7 7 28 7 7 8 8 7 8 7 8 8 8 9 8 9 8 9 8 9 8 9	\$ 10,066 68
Merers	1,042 20 1,007 72 8 1,042 20 1,007 38 1,509 50 2,200 88 1,623 00 1,829 95 2,417 00 557 00 2,508 50 2,476 95	\$ 9,887 88
Corpora- tion Cocks	\$ 548 85 1,042 20 1,899 50 1,663 00 2,417 90 2,508 50	\$10,078 55
Building Special Deposits Corpora- Permits Permits Coeks	8,422 (5 8 5,708 50 8,856 25 2,957 00 4,400 li5 3,762 50	\$ 26,602 55
Special Permits	8 2574 658 1.1.08 824 8 8.624 63 1.456 13 5, 4.394 76 2.006 66 8 5.510 02 1.128 49 4 7.171 75 2.512 60 4 6.700 47 1.947 82 8,	\$ 10,212 51
Building	\$ 2,574 65 8,624 63 4,394 76 5,910 02 7,171 75 6,700 47	\$ 30,376 28
Meter	\$ 119,201 60 \$ 218,786 39 24,129 31 256 045 85 287,660 65 262,264 78	
Water Rates	\$ 96,605 11 132,591 48 139,041 52 142,988 78 138,210 35 146,290 29	\$794,787 48 \$1
Fiscal Year Ending	April 20, 1896	Totals \$

Expenditures of Water Department,

Classified Table of Expenditures of Water Department from the time (September 1, 1895) the City took possession.

Totals	\$ 199,899 58 30,709,718	2 14.708 87 84.045 59 41.340 55 52.079 04 4.004 40 11.700 40 105 05 113.05 50 113.05 50 113.05 50 113.05 50 113.05 50 113.05 50 113.05 113.05 50 1	\$2,218,978 41
Barn Construction to be Repaid	t Depart-	5,012 SN 5,012 SN 9,724 29	\$ 16,282 38
Вагл	Formerly in Stree	\$ 4,590 GB 4,940 71 5,887 88	\$ 14,874 67
Appropri- ations to Extend Mains, etc	\$ 11,427 11 30,088 22	67,406 57 77,202 40 128,164 81 62,447 67	\$ 372,055 58
Creek Quind'ro Miscel- and Col- Rebates Interest Sinking Appropriations Pumping Pumping Pumping Exp'nses Water Refunds on Bands Fund Rains, etc.	\$ 40,000 00	157,122 62	\$ 307,122 62
Interest on Bands	\$ 69,750 00	138,847 50 138,195 06 137,992 50 137,790 00	\$ 662,075 00
Rebates and Refunds	\$ 281 80	113 35	\$ 514 92
Assessor and Col- lector of Water Rates	\$ 6.340 69 11,137 11,	11,509 40 11,136 89 12,732 40 13,631 68	\$ 66,588 19
Miscel- laneous Exp'nses	\$ 4,012 83 4,391 58	4,024 99 6,345 87 5,547 94 8,588 28	\$ 38,470 59
Quind'ro Pumping Station	\$ 15,864 65 21,628 27	25,079 on 25,014 50 24,801 60 32,852 13	\$155,76821
Turkey Greek Pumping Station	\$ 21,049 79	41.8/9 55 87,280 54 40.876 60 89,864 50	\$ 212,878 48
Better- ment of Plant	\$ 4,914 64 4,026 42	81,045 59 8,840 82 88,538 08 87,818 62	\$127,808.17
Meter Department	\$ 8,022 83 13,158 79	11,089 12 11,089 12 8,019 81 7,308 75	\$ 62,862 57
Inspec-	\$ 5.251 58 8,911 43	12,405 62 12,832 76 14,258 61 14,045 19	\$ 66,705 14
Street Depart- ment	\$ 8,425 53 13,857 55	11,933 43	\$ 74,783 96
Superin- tendent and En- gineer's Office	\$ 4,055 63 8,915 17	8,025 85 14,208 73 12,405 62 14, 7,008 62 11,517 84 12,82 76 11, 8,120 90 14,811 88 14,238 61 8 8,136 84 11,033 48 14,045 19 7,	\$ 45,157 00
Fiscal Year Ending		April 18, 1868 April 17, 1839 April 16, 1900	Totals

Fiscal Year 1900. Department of Water Works.
Receipts Classified.

Deposited with Oity Treasurer	2012 2012 2013 2013 2013 2013 2013 2013	8427,005 03
Deposits	**************************************	\$ 2,396 25
Water Rates Rebated	######################################	\$ 1,539 87
Comptrol ler's	2252885882555 578553333355 578553333355 57855333335 578553333335 57855333333335 578553333333335 578553333333333	\$ 511 15
Miscellancous	######################################	\$ 2,509 98
Fines	* 25.00 25.0	* 42 00
Meters	28 8 8888 888 28 8 8888 888	\$ 387.50
Meters	25.25.25.25.25.25.25.25.25.25.25.25.25.2	\$ 2,055.01
StateM Jos	**************************************	2,500 50 8 2,476 95
Corporation	8 100 100 100 100 100 100 100 100 100 100	\$ 2,508 50
Deposits	888288888888888888888888888888888888888	1 3,762 50
Special	2422222222222 242222222222222222222222	\$ 1,947 82
Building Permits	# 100 FE	\$6,700 67
Meter	\$ 8,500 do 10,20	ET 1917,590
PolaW SolaH	4,442 46 1,275 18 88 448 92 1,480 19 1,740 19 1,740 10 1,740 10 1,740 10 2,600 00 2,600 00 2,400 00 2,	140,290 28
Month 1900	April, 16-10. May June June June June August August August Ootober Jordenber Jeennber	Totals \$146.290.28 \$382,3

Fiscal Year 1900. Department of Water Works. Expenses Classified.

Interest on sbnod	\$ 08.895 00 68,805 00	\$137,790 00
Construction to be Repaid	\$55 88 8 88 8 8 8 8 8 8 8 8 8 8 8 8 8 8	89,724 20
ntall	\$256 857 113 857 113 113 113 113 113 113 113 113 113 11	\$5,387.38
snoifaitqotqdA	8, 8,400 50 1,508 81 1,508 81 1,000 41 1,509 61 8,440 61 1,480 65 1,707 70 1,480 70 1,707 70 1,480 70 1,707 70 1,480 70 1,707 70 1,480 70 1,707 70 1,480 70 1,707 70	\$ 02,447 67
Rebates and	# # E	\$ 14 85
Assessor and Collector's Office	\$ 484 48 941 26 1,488 81 1,587 11 1,189 19 1,415 99 1,882 90 1,882 90 1,982 90 1,982 10 1,913 41 400 78	\$13,631 63
Expenses Miscellaneous	**************************************	8 8,538 98
onabulup guiquad nottats	2 2 002 84 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	\$115,1152 13
Turkey Creek Pumping Station	# 1,747 89 8,270 82 8,270 82 8,270 82 8,267 83 8,267 83 8,748 83 8	\$39,864 50
Betterment of	\$ 11,112 dd 906 35 11,897 GS 11,897 G 6,611 33 8,714 34 8,714 34 1,776 21 1,776 21 1,776 21 1,778 30 1,718 30 6,14 31 1,778 30 1,778	\$07,010 62
Department	** 124 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	7.808 75
Inspection	\$ 526 01 1,135 11 1,035 16 1,035 16 1,036 41 1,036 41 1,161 78 1,161 78 1,161 78 1,161 86 1,186 78 1,186	\$13,015 19 \$
Street Inemiraged	\$ 551 60 1,888 00 748 91 668 99 988 89 1,085 04 811 55 876 53 876	811,988 4B
Superintendent and Engineer's Office	200 00 00 00 00 00 00 00 00 00 00 00 00	8 8,136 84
Month. 1900	April 16-30 May. May. July July July August September October. December December March March April 1-15.	Totals \$ 8,136

Appropriations for Extension of Water Mains and Improvemen's.

-	- Delice - D				
No. of Orati-	Location of Main or Improvement	Appropri- acions and Balances	Amount Expended	Amount Charged Back	Balance Unex- pended
13834	Main on 20th st, Grand av to McCoy.	\$ 3,110 00	8 2,897 11	\$ 212 89	
14564	" Myrtle av, 18th to 19th	000 00	468 00	137 00	
14858	Water Trough near Monroe & Inday.	75 00	20 72	TYLLBRIANA	\$ 54 28
14596	Main on Troost av, 35th to 39th "Troost av, 39th to 41st	2,945.00	2,603 00	842 00	Chentalan
14087	" Troost av, 39th to 41st	1,700 00	1 497 00	203 00	
14700	" Morrell av, Bales to Askew. Refund to W. H. Fuller, ac leakage	18 00	13 00	20 30	********
14656	Main on Woodland, 28th to 30th	1,370 00	1,370 00	100000000000000000000000000000000000000	********
14595	" 28rd to 28th	8,470 00	2,907 17	002.83	********
13878	25th, Charlotte to Tracy	4,100 00	8,447.50	052 50	exveluters
1 (829)	" Walnut, 86th to 39th	1,960 00	1,642 00	308 00	Save bearing
14/530	apply Bell to Since Pilie : 14441	1,005 00	255 00 547 00	25 00	*******
14905	" Baltimore, 35th to 36th " Wyandotte, 8 W Bvd to Mtlw	789 00	710 00	458 00 79 00	*******
	To construct retaining wall Holly		110 00	10.00	ager error
31112	st Reservoir	9,250 00			9,250 00
35091	Main on Wyandotte, 35th to 36th	744 97	609 71	105 26	********
15083		1,605 00	478 86	116.50	******
15082	Liyum, outil to agent, and are	410 00	1,872 00	233 00	******
15215	Lydia, grid to gotd	607 00	553 00	29 90 54 00	**** ****
15216	" Tracy, 34th to 35th	607 00	529 00	78 00	******
154:14	" Highland, 23rd to 25th	1,245-00	965.00	280 00	4888 - 555 - 55
15428	" 35th, Troost to Lydia av	1,680 00	1,412 00	968.00	
15491	" Blst, Chestnut to Benton	480 00	408-00	22 00	*******
15480		8,724 00	3,170 50	222 20	VALLAGE STATE
15490	" Clinton Place, St. John to Scarritt	730 00	563 00	167 00	
15819	" 10th, Bales to Cleveland	800 00	683 00	120 00	*******
15600		600, 00	512 00	88 00	*********
15691	" 87th, Troost to Tracy	650 00	529 00	121 00	
15692	" Bales, 10th to 12th	785-00	006-00	174 00	
15829	" Brooklyn, 27th to 28th	200 00	667 60	117 40	SERESSESS.
15726		2,769 00	268 00	32 00	Maritime.
15725 15827	" Michigan, 30th to 35th" " Kensington, 15th to 20th	2,183 00	2,374 00 1,523 00	395 00	Distance
15825	" Cypress, 15th to 20th	2,342 00	1,805 00	507 00	
15808	" Virginia, 33rd to 35th	950-00	783 00	107 00	
15824	" Bard, Tracy to Virginia	250.00	178-00	52 00	242441424
178%	Highland, 11th to 12th	278 00 - 793 70	179-00	54 00	*******
15425	Brooklyn, 28th to 29th,	581 50	790 70 581 50	server asset	********
15948	goods finey to anything trees	1,871 00	1,118 50	207 50	
	To pay P. C. Folk and G. E James,	1	34000.00	201,00	11-11-11-11
	entaries	21 90	87 50		*********
3,6689	Main on 35th, Mich to W'dland	871.00 684.20	322 00	40 00	Chatandays
16354	Main on Brooklyn, 29th to 30th		684 20	** ****	
	To refund to E. B. Kratz, account	7 27	7 87	The state of the s	
1/12/05	Main on Enclid, 31st to 8 line Lin-		1 11	1444 217 EATH	- Charles
10000	Main on Enclid, 31st to 8 line Lin- wood Bouleyard	697 00		136 60	non enter
16439	Main on 35th, Lydia to Woodland	1,800.00	1,192,00	668.00	11.1+11.1911
16807	Main on Tracy, Both to Blet	1,100.00	828 00	817 00	111000001
16836	" Armour Boulevard, Broad	1,825 00	1,557 00		568 (0)
\$7,695	Main on Tracy, 28th to 29th	975 00	4381 DO	295 00	1000 100
35402	Highland, sard to sath	1,191 00	589 00	202 00	-
16687	To refund to Geo. Law, lenkage	22 83	22 83		***** 7577
161/1	Main on 9th, Elmwood to Lister	614 00	500 00	111 00	
15681	" Michigan, 28th to 30th	1,280 00 425 00	1,218 10 58 00	81 90 872 00	1-1111-111
16507	" Kensington, 14th to 15th To refund to Joe. Hoag, acet leakage		26 13		E414
16748	" to H. Mans, acet leakage	18 80		5-11113666	
16751	a to I J Vineyard leakage	18 61	18 -61		Bar Contract
16815	" to Mrs. M. Horton, leakage	4 11	4 11.	14.F1.T1+1.11+	
16750	" " to E. S. Truitt, leakage	18 60		235 00	BIRTHAN
	Main on Fairm't, 24th to Benton P.	3,620 00		1.053 00	21111
16814	atest Aloone to Hitooremit.			144-00	MATERIAL CO.
16841	" Mersington, 12th to 14th	549-00		89.00	
16842	" 14th, Mersington to Norton		407 00	99.00	H
16843	" 18th, Norton to Jackson	457 00		140-00	** ***
10800	" Norton, 18th to 14th	209 00		60 00	**********
16774	" Wyandotte, Sith to 35th			fi 00	15151111
_	No.	\$ 77,000 18	\$ 15,800 82	# 11,411 08	\$ 9,872.28

Purchasing Agent's Report.

Statement of Stamps Purchased for the Different City Departments, for the Fiscal Year Ending April 15th, 1901.

slatoT	\$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$	\$ 3,806 98
di-linga	8 888883 88 888 888 8 888883 88 888	\$154 00
March	8 × 2	\$200 15
February	000 8 800000 0000000000000000000000000	\$679.25
Tannas.	\$0005898088 648 858 868 444 848 848 848 848 848 848 848 84	\$337 15
December	# # # # # # # # # # # # # # # # # # #	\$207 00
November	24-0 74-0 88 88 8 8 8888 88	\$268 00
October	88888 888 888 88	\$290 00
September	898 8 88888 8888 8 88	\$178 00
August	84 24 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	\$264 60
Link	88 88 84 88 128 128 128 128 128 128 128 128 128	\$202 00
nue	## ## ## ## ## ## ## ## ## ## ## ## ##	\$919 23
May	######################################	\$176 10
08-91 lindA 0001	\$ 10 00 2 00 2 00 4 00 4 00 2 00 2 00 2 00	\$ 21 40
	Water Department Park Board City Treasurer Lleense Inspector City Comptroller City Comptroller City Clerk City Clerk City Clerk Anyor Assessor Superintendent Streets Superintendent Bulldings Superintendent Bulldings Superintendent Ecgal Department Fire Parol Market Master Hospital and Board of Health Filee Department Filee Department Filee Department Filee Department Filee Department Folice Department Fol	Totals

Statement of Purchases for the Different Departments, for the Fiscal Year Ending April 15th, 1901.

sfaioT	18,775 S 10,208 G 12, 20, 20 G 12, 20, 20 G 12,	\$ 238,600 16
And	本 の の の の の の の の の の の の の	\$ 1,861 16
TelaW	2.11.00 2.12.2	125,953 97
Jeens	# 1.641 15 1.641	\$ 8,874 99
Rugineering	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$ 7,223 93
Board of Public Works	28 88 5 7 88 5 7 88 5	
gzbense	1.06 57 1.00 50 1.00 5	14,226 48
Printing and Sutionery	2,706 Mars 1,1969	5,946 68 \$ 18,702 28 \$ 14,226 48 \$ 4,978 T9
Work House	\$ 500 00 00 00 00 00 00 00 00 00 00 00 00	8 5,916 68
IntiqsoH Honord bina drinaH	8 128 38 445 38 445 38 11,486 38 11,	\$ 16,068 45
Fire Patrol	# 250 25 25 25 25 25 25 25 25 25 25 25 25 25	8 8,542 90
Pire	\$ 1,113 85 1,113 85 1,113 85 1,113 85 1,134 85 1,138 1 85 1,138 1 85 1,138 1 85 1,138 1 85 1,138 1 85 1,138 1 85 1,138 1 85 1,08 1 85 1,	8 21,220 44 8
Month 1900	April 16-30 May. June July August September Schober Josember January, 1901. Perbruary March. April 1-15.	Totals

Clerk of Supplies. WILLIAM WESTON, Respectfully submitted,

ANNUAL REPORT

OF THE

CITY ENGINEER

FOR

FISCAL YEAR ENDING APRIL 15, 1901.

To the Honorable, the Board of Public Works:

Gentlemen:—I have the honor to submit herewith report, in tabulated form, of the operations of the Department of Engineering for the fiscal year ending April 15, 1901, wherein is set forth in detail the nature of all public work done during the year, and also of all work under contract and incomplete at this date.

Respectfully submitted,

ROBERT W. WADDELL, City Engineer.

Recapitulation of Street Paving Constructed During Fiscal Year Ending April 15, 1901.

Material Used.	No. of Con- tracts	Lineal Feet	Miles	Square Yards	Cost	Average Cost Per Sq Yard	No. of Tax Bills
Trinidad Lake Asphalt	50	52,214.50	9.89	183,917.00	380,250 82	\$ 2.06	2,085
Rock Apshalt	16	14,462.09	2.74	48.399,10	92,133 29	2.10	478
Vitrified Brick	15	17,617.50	31.334	58,439,30	91,628 08	1.57	941
Maca lum	5	17,850.00	3,38	83,401.51	142,980 76	1.71	326
Totals	80	102,114.09	19:35	359,156.91	707,000 90	19112461	4,025

Statement of Streets Paved to April 15, 1901.

Material Used.	Total Lineal Feet Constructed	Lineal Feet Taken Up and Repayed	Lineal Feet Constructed to Date	Miles
Asphalt Vitrifi d Brick Stone or Granite Blocks Macadam Cedar Blocks	15,091.00	4,300 *4,801 52,800 273,894	476,882,28 190,200,21 11,829,00 198,105,00 6,058,00	90,22 36,04 2,24 87,52 1,14
Totals	1,216,890.44	*Reconstruct- ed and Repayed	852,634.44	167,16

Statement of Alleys Paved to April 15, 1901.

Material Used.	Total Lineal Feet Constructed	Lineal Feet Taken Up	Lineal Feet Constructed to Date	Miles	
Vitrified Brick	32,060.59 8,773.20 2,011.00 1,6+9.00 534.00	286 00 973,30 439,00	32,660,39 4,467,20 1,007,70 1,200,00 534,00	6.18 ,nr .19 .22 10	
Totals,	40,657.50	1,608.30	28,950,29	7.90	

Recapitulation of Street Paving Under Contract, at Close of Fiscal Year Ending April 15, 190L

- Material Used	No. of Con- tracts	Lineal Feet	Sq uare Yards	Miles	Estimated Cost
Asphalt	4	48,000 2,616 3,100	144,193 8.958 15,300	9.00 ,10 ,64	\$ 365,277 66 14,260 51 21,836 60
Totals	29	54,016	168,151	10.23	8 3311,324 17

Statement of Streets Paved During Fiscal Year Ending April 15, 1901.

Trinidad Lake Asphalt.

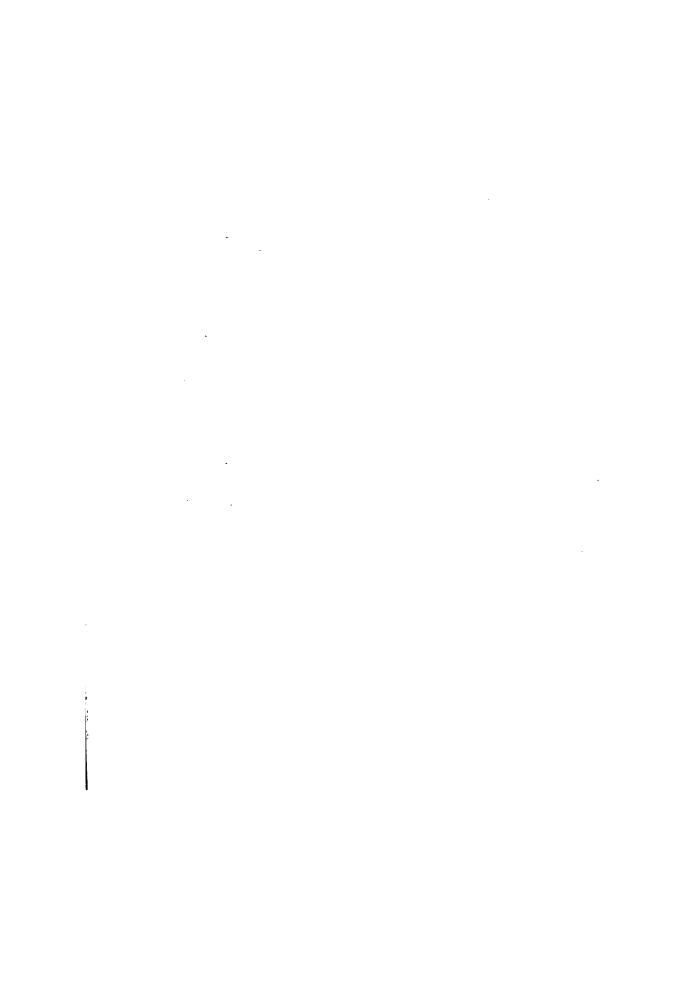
		63	15	500	200							475	115										999	00	118	11	종절
	Amount	12,303	1.487	2,040	10,489	854	7,759	20,649	95,740	12,258	4,042	11.361	8,136	11.020	12,278	3,253	1,750	2,847	7.649	17,858	2,889	97976	2,069	3,602	1 512	1,184	1,588
pa	No. of Ta	100 x	113	65	07	0 35	18	113	200	45	161	14	45	101	17	16	132	108	111	88	733	201	45	0.00	1-5	13	0
	at sood at stanps	92 10	52 10	21 01	1.85	212	2 10	88	20 120	101	2 30	25 0	2 10	250	2 10	63.0	10 10 10 10 10 10 10 10 10 10 10 10 10 1	03 0	1010	2 10	52	101	010	100	010	1 22	1 86
	Square	5,808.60	677.90	8,283,90	5,670.00	388.90	3,060.20	11,161.80	12,141.60	5,782.40	1,757.80	11,338.60	0,517.90	8,909.50	5.780.40	1,534.60	825 50	1.343.20	8,863.10	8,428.80	8,401,90	4,540.90	8,88H.70	1,699.10	444.40	640.90	750.80
	Lineal Feet	1,834.00	217.00	3,194,00	1,180.00	128.00	1,942,00	1,571,00	2,258.00	1.839 00	948,00	4,220,00	1,249,00	1,249,00	1.927.00	354.00	385.00	395.00	1,705,00	2,064.00	2,367,00	1,475.00	1,092.60	492.00	150,00	00000	274.00
mee	res	2, 1910	2, 1910	8, 1910	9, 1910	24, 1910	5, 1910	81, 1910	6, 1910	18, 1910		16, 1910		15, 1910	9, 1910	23, 1910	18, 1910	18, 1910	3, 1910	10, 1910	25, 1910	15, 1910	17, 1910	28, 1910	12, 1910	9, 1910	9, 1910
Maintenance	Expires	10 June	June	June Dec.	10 July	o June	Oet.	10 June 10 May	Sept.	Dec.	July	July	August	August	Nov.	Oct.	July	July	Angust	Dec.	June	Oet.	Sept.	Sept.	10 July	July	July
N	Years		10	10	10	101	10	100	10	10		10	10	10	10	10	10	10	10				10			10	10
	Accepted	June 2, 1900		cía	18,	June 23, 1900 Oct. 24, 1900	6		-		io.		1.60	August 15, 1900			July 18, 1900	18,1	25	10,1	June 25, 1900	15,1		Oct. 28, 1900	12,		July 9, 1900
Specifications	Hyd, Cem- Concrete Inches	-	*	***	Macdm	- - 4	1 4	Mac dm	9	**	-	-	* *	4.	4 4	4	++	-	-	Cone.	Mac dm		-			Maedan	Macdm
ectific	Bi u Cone	17%	13%	112	152	77	135	200	130	202	135	100	113	130	2.3	100	25	150	100	153	36	1175	100	27	130	100	1
Sp	Asphalt	115	196	177	132	175	17.	27	1	27	172	7	123	1	200	193	25	175	201	11.50	12.		1	12.2	170	122	132
	To	Twenty-second st	Park addition	Agnes ave	Santa Fe st	Broadway	Thirty-fifth st	Fourth st Viaduet	Oypress ave	Oak St	Ninth st	Howard-Scott ad	Smart ave	Smart ave	Twenty-first st.	Windsor ave	Forty-fourth St	Garfield ave	Tw'nty-seventh st	State Line	Cleveland ave	Prospectave	S. W. Boulevard	Walrond ave	Woodland ave	Madison ave	W Prospect Place Holly st.
	From	Eighteenth st	Twenty-ninth st	Indiana ave	Hickory st	Central st	Thirty-third st	Broadway	Oleveland ave	Warwick blvd	Eighth st	Highland ave	Independence ave	Independence ave	Seventeenth st	Gladstone ave	Forty-third st	Maple ave	Howard ave	Mulberry st	Gladstone ave	Rellefontaine ave	Twentieth st	Rollafonfaine ava	Independence ave	Summit St	Belleview ave
	Street	College ave	Campbell st	Dunnam ave	Eighth St	Eighth st	Forest ave	Fourth st		Forty-fourth st		ve	Jackson ave	Kensington ave	Madigon ave	Monroe ave	McGeest	Missouri ave	Montgall ave	Ninth st.	Ninth 8t.	Poerv ave	Pennsylvania ave	Reservoir ave	Sixth st	Seventeenth st	

		Vi	trified Br	ick	
Cost per Sq. Yard	Lineal Feet	Miles	Squar Yardı	Cost	Average Cost per Nq. Yard
200			Ĭ Ī		
	3.325	.67	18,256.72	\$ 27,0 56 2 6	\$2.04
	mound		lai na		ļ. .
	6,682.50	1.27	24,079,80	40,390 62	1.677
	9,534.90	1.80	34,829,80	57,557 74	1.649
	32,116.10	6.08	118,962,60	195,184 95	1.647
-111	13,131 40	2.49	45,977 80	61,914 79	1.346
	10,157,70	1.92	115,4%5,40	48,719 26	1.307
	23,123.60	1.38	82,452.50	117,224 40	1.421
	24,995,43	4,73	84,3530.50	117,824 10	1.397
error!		(1-(1))	11+1 c(c) II		
140	21,062.70	4.37	76,196,80	112,300 63	1.477
5 1.97	25,001	1.73	83,385	125,088 61	1.50
1.94	17,617.50	3 33	58,139.80	91,628 06	1.57

ontinued.

Т	otals	
Miles	Square Yards	thet
. Giv	11,744,103	\$ 24.150 N
0.1)	207,352,40	\$69,997 K
4.21	76,706,80	144,297 M
112.78	123,071.79	282,157 04
ri 92	139,200 80	219,185 20
5 61	302,845.20	522.485 n
64 HH	105,000 46	408,021 20
1 21	229, 185 88	439,984 30
7 36	300 351,00	386,683 01
2,03	216,662,50	337,969 61
7.50	716,561,70	virus Logi
15 15	393,279,301	712,600 58
24.40	486,224,14	N25,228 16
9 45	371,282.91	110,956 93





Statement of Streets Paved During Fiscal Year Ending April 15, 1901.—Continued. Trinidad Lake Asphalt.

	t a	28282823888 222282823888 2222828288888888	28 09
-	Атноп	20,286 7,084 1,441 1,441 14,108 14,108 1,106 1,707 1,707	2055 8 880,259 82
pa	No. of Ta	\$82824**********************************	80508
	Cost per Square Ya	8993399933399 939999999999	
	Square	14.612.70 2.443.80 0.824.70 0.83.00 0.83.00 0.72.8.70 1.151.10 4.662.10 4.662.10 8.062.20 805.20	188,917.00
	Lineal	00 002 00 002 00 002 00 100 00 00 100 00 00 100 00 00 00 00 00 00 00 00 00 00 00 00 00 00	52,214 50
nee	802	4,07,7,10,0,4,0,8,0,0 00000000000000000000000000	
Maintenance	Rxpire	10 October 4, 19 10 October 5, 19 10 June 27, 19 10 June 27, 19 10 Nov. 20, 19 10 Nov. 30, 19 10 May 4, 19 10 July 5, 19 10 June 20, 19 10 Sept. 6, 19	
M	Years	2222222222	
	Accepted	Oct. 4, 1990 Oct. 5, 1900 June 27, 1900 May 21, 1900 Nov. 30, 1900 Nov. 30, 1900 Nov. 30, 1900 June 25, 1900 Sept. 5, 1900 Get. 3, 1900 Get. 3, 1900 Get. 3, 1900	
Specifications	Hyd. Cem. Concrete. Inches	dae da da da da da da da da da da da da da	
elfie	Bitu, Cone Inches	************	
Spe	Hadask.	ALBERTARIA	
	To	Thirty-eight st. Locust st. Locust st. Locust st. Prospect ave Forspect ave Compbell st. Nineteenth st. Fightventh st. Fightventh st.	
	From	Thirty-third st. Thirty-third st. Girand ave. Holly st. Brooklyn ave. Troost ave. Forest ave. Holmes st. Fighteenth st. Thirty-seventh st.	9.80 Miles.
	Street	Troost ave. Tracy ave. Tracy ave. Tranh. Tventieth st. Twenty-sixth st. Thirty-third st. Thirty-sixth st. Thirty-sixth st. Woodland ave. Walnut st.	50 Contracts.

Statement of Streets Paved During Fiscal Year Ending April 15, 1901.—Continued. American Bituminous Rock Asphalt.

			Speci	Specifications	Bus			M	Maintenance	nee			b1			
Street	From	To	səqən]	Bitu. Cone Inches	Hyd. Cem-	Accepted		Years	Expires	res	Lineal	Square	Cost per	No. of Ta	Amoun	unt
Bales ave Charlotte st. Elma ave Highland ave Highland ave Highland ave Indiana ave Assorria ave Spruce ave Spruce ave Spruce ave Woodland ave Woodland ave	Tenth st. Thirty first st. Independence ave Prospect ave Missouri ave Seventeenth st. Fitteenth st. Highland ave Chadstone ave Gladstone ave Gladstone st. Thirty-first st. Thirty-first st. Thirty-second st.	Twelfth st. Thirty-second st. Eleventh st. Mondrall ave. Fifth st. Eighteenth st. Seventeenth st. Thirty-first st. Thirty-second st. There-second st.		\$ 22	00000000000000000000000000000000000000	Dec. 18 Nov. 28 Nov. 29 Nov. 29 Nov. 29 Nov. 29 Nov. 29 Nov. 29 Nov. 29 Nov. 29 Nov. 29 Nov. 29 Nov. 29 Nov. 29 Nov. 29 Nov. 20 Nov. 2	15, 1900 14, 1900 16, 1900 16, 1900 16, 1900 16, 1900 16, 1900 16, 1900 16, 1900 16, 1900 16, 1900 16, 1900 16, 1900	000000000000000000000000000000000000000	Dee. Oet. Nov. Nov. Nov. Dee. Oet. Oet. July July July July July June Sept. Sept.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	808.00 9,185.00 9,185.00 100.00 1,000.00 1,000.00 1,000.00 1,881.00 1,881.00 1,881.00 1,881.00	2,485.40 1,810.60 0,785.20 1,005.20 1,102.10 1,012.50 1,817.30 1,817.40 1,8	**************************************	93 9818185° 086997	\$5.214 \$4.000 \$4.000 \$4.155 \$4.427 \$6.000 \$6	######################################
16 Contracts.	2.74 Miles.										14,462,09	43,399,10		173	\$92,132	65 5

Statement of Streets Paved with Vitrified Paving Brick During Fiscal Year Ending April 15, 1901.

			Specificatins	r'ns			MA	Maintenance	ance			23,	X	po		
Street	From	ą.	Spaces Bricks Spacen	Concrete	Acce	pted	Years	Exi	ires	Lineal	Square	1000	Per Squar Yard No, of Ta	RITTA LEAD	mount	
Central st. Campbell st. Cottage ave. Coltage ave. Indiana ave. Indiana sve. Twenty-second st. Twenty-second st. Twenty-second st. Wast Prospect Fl. Wyandotte st. Woodland ave. Woodland ave. Woodland ave. Woodland ave.	Seventeenth at. Eighteenth at. Twenty second at. Norteenth at. St. John ave. Troost ave. Gampbell at. Twenty-third at. Seventeenth at. Twenty-third at. Seventeenth at. Twenty-second at. S. W. Ronievand. Twenty-second at. S. W. Ronievand.	S. W. Boulevard. Twenty-fifth st. Woodbard ave. Twenty-second st. Anderson ave. Froset ave. Froset ave. Twenty-fifth st. Twenty-fifth st. Twenty-fifth st. Twenty-fifth st. Twenty-fifth st.	Graut	00000000000000000	May July July Nov. 2 Nov. 13, 1900 11, 1900 11, 1900 11, 1900 11, 1900 11, 1900 11, 1900 11, 1900 11, 1900 11, 1900 11, 1900 11, 1900 11, 1900	teletetetetetetetetetetete	May July June June June June June June June June	14,14,190 14,190 14,190 14,190 14,190 14,190 19,190	1,321 3,000 500 500 500 600 805 1,130 1,130 1,17	\$ 5.225.50 11.327.50 10.62.70 2.012.30 2.012.30 2.012.30 2.012.30 2.012.30 2.012.30 11.416.20 1.647.40		THE RESERVE AND THE PARTY OF TH	\$G\$26 ~ 21 - 25 28 25	25 25 25 25 25 25 25 25 25 25 25 25 25 2		
In Contracts,	A30 Miles.		- months	1	- Arter	- Steel	1 :	mône ma	0101	17,617,50	17,617.50 38,439,30	00	-	1881	m 829,102 110	

Statement of Streets Paved with Stone Blocks During Fiscal Year Ending April 15, 1901,

	Amount		\$3.956.08
	Concrete	Jubic Price	3 2
	Con	Cubic Yards	359.80
ations.	ring Slocks	Price per sq Yard	
Specifications.	Repairing Stone Blocks	Nguare, Price Mynar, Price Cubic Price Yards perm, Yards perm, Yard Perm Yard Yard	786.90 \$1.95 2.158.00 \$ 58 350.80 \$8.25
	New Stone Blocks	Price per sq Yard	3
	New Blo	Nauare	786.90
	Ę		Kleventh st
	From		Mulberry st Union ave
	Street		fullerry st

Statement of Streets Paved with Macadam During Fiscal Year Ending April 15, 1901.

1 Contract

_			Material Used-Inches					elli	
Mrset	From	<u>a</u>	Oranhed Servenings Servenings Gravel Limestone Servenings Limestone Hruken Mestone Limestone Heth, Falls Limestone Mestone Limestone Heth, Falls Limestone Heth, Falls	Arvepted	Lineal Feet	Square Price Yards per Yquar	Price per Aquar-	S zaT lo.ol.	Amount
Benton blvd	Independence blvd	Fifteenth st	Park Board specifications		4,140	18,981.80	_		\$84.736 69
Renton blvd	Fifteenth st	Twenty-fourth st			(E)+	20.096.21	×-		35.77
Benton blvd	Twenty-fourth st	Thirty-first st	:		35.7	. SHE. 60	_		20 27 (5
Linwood blvd	Linwood blvd Troost ave	Michigan av	:	Jan, 2. 1901	008,5	18,209.80	_	2	20.342 Rt
The Labour.	TITI MOOR DIAG	T, 49, R. 38	3		9. 30.	9,307.60 1.51		į.	13.908 4N
5 Contracts	3.38 Miles				17.830	88,:01.51		3	\$142.980 7n
		_		_		-	-	-	

Statement of Alleys Paved with Brick During the Fiscal Year Ending April 15, 1901.

	Amount	888 88 10.014 88 10.01 97 11.140 81 11.140 81	811,295 85
Lansa	Tax Bille I	***************************************	2003
pau	od 1800 Z aranps	757588466588	
	Square Yards	201.00 20	6.819.43
	Lineal	217 200 200 200 200 200 200 200 200 200 20	4,122,05
Maintenance	Expires	Oct. 19, 1907 Oct. 30, 1907 OAP. 36, 1907 May 9, 1907 Inne 9, 1907 Inne 9, 1907 June 6, 1907 Mar. 18, 1908 Mar. 18, 1908 Mar. 18, 1908	
-	7,6918	1900 1000 1000 1000 1000 1000 1000 1000	
	pted	4.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0	
	Accepted	Oct. 1 May May May May June June June Mar. 1 Mar. 1	
- 60	Concrete	*********	
Specifica-	Belween Belween	Grout	
	To	Beacon Hill park add Grout May St. Tenth, st. e and w alicy s 18th st. Fenth st. Campbell st. Wyandotte st. Campbell st. Campbell st. Fourth st.	
	From	Twenty-ninth st. Central st. Ninth st. Ninth st. Sinth st. Charlotte st. Independence ave Charlotte st. Independence ave Charlotte st. Third st. Third st. Third st. St. tt. s. of foth st.	.78 Miles.
	Alleys	Charlotte and Campbell sts. Eighth and Ninth sts. Campbell and Harrison sts. Flora ave and Vine st. Twelfth st and Peery ave. Twelfth st and Peery ave. Inmediately s of 18th st. Fighth and Ninth sts. Immediately no fish st. Immediately no fish st. Main and Delawave sts. Main and Delawave sts. Main and Pelawave sts.	Il Contracts.

Statement of Alleys Paved with Asphalt During the Fiscal Year Ending April 15, 1901.

1	42 1	2
	Amt	18 \$885
Panss	Tedmin XaT	138
bra	Cost pe	212
	Souare Yards	517
	Lineal	116
daintenance	Expires	5 Dec. 8, 1900 10 Dec. 8, 1910
0	annu /	0 10
	Accepted	Dec. 8, 190
lest-	Hydr'ne Conerete	-0
tions	Bir Con.	12
8	Mandak	13.5
	4	R. line of lot 24, C. E. Hasbrook's 2d add.
	Front	Washington st
	Alleys	Viley immediately south of Twelfth st

I Contract.

.04 Miles.

Statement of Streets Graded During Fiscal Year Ending April 15, 1901.

pa	Amount No. of Ta	* 188
sno	Miscellane	2, 192 33 87 3 05 1, 885 33 1, 885 73 1, 886 73 1, 886 73 1, 886 73 1, 886 73 1, 886 73 1, 886 73 1, 886 73 1, 886 73 1, 886 73
Rock	Cost per Cubic Yard	8 8
Cu. Yds.	Exeava- tion	1,177,30 £ 60 1,177,30 £ 60 1,00,00,00,00
	Cost per Cubic fard	मून क्षत्र है नियम है देवहाइ व
Cub e Yards Earth	Embank- ment	2,088,50 1,631,40 0,940 1,885,10 2,885,10 5,778,20 5,778,20 1,015,00 1,475,30
e Yard	per Cubic	11.50 11.50
Oub	Excava- ticn	8,228,80 8,221,70 1,228,40 5,885,10 8,776,50 1,221,80 1,155,20 8,77,70 10,887,70 10,887,70 10,887,00 1,815,00 1,815,00
	Lineal	2014 603.67 603.67 603.60 1,201.93 1,120 1,120 1,030 605.83 605.83 605.83 1,000 1,000 1,100 1
	To	Thirty first st. Thirty first st. Dyer ave. Dyer ave. Thirty fifth st. Smart ave. Fifteenth st. Fifteenth st. Shart ave. Seventeenth st. Thirty first st. Nineteenth st. Nineteenth st. Nineteenth st. Lydia ave. Lydia ave. Lydia ave. Lydia ave. Lydia st. Lydia st. Lydia st. Lydia st. Lydia st. Lydia st. St. John ave. St. John ave. St. John ave. Therity first st. Twenty. hird st. Twenty. hird st. Twenty. hird st. Twenty. hird st. Twenty. hird st. Twenty. hird st. Twenty. hird st. Twenty. hird st. Twenty. hird st. Twenty. hird st. Twenty. hird st. Twenty. hird st. Twenty. hird st. Twenty. hird st. Twenty. St. John ave. Gele Tabee. St. John ave. Twenty. hird st. Twenty. hird st. Twenty. hird st. Twenty. hird st. Twenty. St. John ave. St. John ave. St. John ave. St. John ave. Twenty hird st. Thirty strend st.
	From	Thirty-hind st. Thirty-hind st. Cleveland ave. Cleveland ave. Thirty-hind st. Independence ave Fifteenth st. Fifteenth st. Fifteenth st. Fifteenth st. Fifteenth st. Thereits ave. Fifteenth st. Thereits ave. Troost ave. Troost ave. Troost ave. Troost ave. Troost ave. Troost ave. Troost ave. Troost ave. Troost ave. Troost ave. Thirty-seventh st. Kansas ave. Mereter Place Scarritt ave. Mereter Place Coak st. Thirty-first st. Thirty-first st. Holly st. Holly st.
	Street	Cottage ave Euclid ave Euclid ave Euclid ave Euclid ave Fitteenth st Fitteenth st Ackson ave Jackson ave Jackson ave Jackson ave Jackson ave Jackson ave Aprile ave Myrtle ave Myrtle ave Myrtle ave Myrtle ave Myrtle ave Myrtle ave Myrtle st Thirty-third st Thirty-third st Thirty-third st Thirty-third st Clinfon Place Every-first st Jackson

Statement of Streets Graded During Fiscal Year Ending April 15, 1901.—Continued.

pa Xi	No. of Tauesia	では、	4412
	Amount	### ### ##############################	9.171 89 876,276 64
	Mis- cellan- eous	74.70 169.10 169.10 169.10 169.10 169.10 169.10	
Rock	per Cubic	2	*
Cu, Yda.	Excava- tion		4.581.00
	per Cubic braf	चु व चैंक	
Cubic Yards Earth	Embank- ment	1,899.70 4,047.70 4,044.60 1,048 9,711	125,645.00
ie Yar	Dost Cubic per braft	मुकर्ने सन्देशके कर्मके नक्कमें नम व	
Cub	Excava- tion	1,038,30 1,138,40 4,046,30 6,38,40 6,38,40 8,572,30 6,38,40 6,38,40 8,512,00 4,390 4,390 4,390 4,390	71,478,19 204,547,00
	Lineal	438,386 6000 6000 6000 11,250 11,	71,478,19
	To	Renton blyd Thirty-seventh 88 Thirty-third 81. Thirty-third 81. Thirty-third 81. Thirty-third 81. Thirty-third 81. Thirty-third 81. Thirty-third 81. If Modison ave Lydia ave See 21. Th 40. Range 33. Though ave Linwood ave Twenty-seventh 81.	
	From	Gladstone ave Thirty-sixth st. Thirty-sixth st. Thirty-sixth st. Thirty-list st. Thirty-list st. Twenty-nint st. Twenty-nint st. Twenty-nint st. Twoodland ave Troost ave Troost ave Troost ave Troost ave Troost ave Troost ave Thirty-first st. The right st. The right st. The right st. Twenty-sixth st. Twenty-sixth st. Troost ave	13.34 Miles.
	Street	Eighth st. Forest ave Forest ave Isaried ave Isaried ave Isaried ave Thirty sires st. Thirty sives Thirty seventh st. Thirty seventh st. Thirty seventh st. Thirty seventh st. Thirty seventh st. Thirty seventh st. Thirty seventh st. Eighteenth st. Eighteenth st. Skew ave Eighteenth st. Skew ave Forty-fith st. Vine st. Vine st. Forty-fith st. Coppress ave Central st. Thirty-sixth st. Highland ave Highland ave	M Contracts

Statement of Alleys Graded During Fiscal Year Ending April 15, 1901.

par	Rills Issu	になる対象とき _の の利力を生態を発生が発っるをできた。	010
	Amount	### ### ### ### ### ### ### ### #### ####	\$5.563 BA
-1	Miscella	89 88 88 88 88 88 88 88 88 88 88 88 88 8	\$55 12
Yds.	Cost per		
Cubic Yds. Rock	Excava-		028.00
	Cost per Cubic Yd	A	
Cubic Yards Earth	Embank-	200 80 55 200 80 20 80 20	8,446.80
Yards	Cost per Cubic Yd	मुन्नम् स्थानम् स्थानम् स्थानम् स्थानम् स	
Cubic	Excava- tion	119.20 119.20 119.20 119.00	12,624.00
	Lineal	888 888 888 888 888 888 888 888 888 88	10,591,74
	To	Twenty-third st Tenth st Tenth st Tenth st Twenty-fith st Twenty-fith st Thirteenth st Tenth -third st Thirty-third st Thirty-first st Gladstone ave Eleventh st Thirty st Thirty st Thirty st Tenth st	
	From	Twenty-second st. Ninth st. Ninth st. Obarlotte st. Goward ave. Twelfth st. Sixteenth st. Sixteenth st. Ninth st. Ninth st. Bellefontaine ave. Soft so of Sixteenth st. Thirty-second st. Thirty-second st. Thirty-second st. Second st. Thirty-second st. Chestmut ave. Tenth st. Chestmut ave. Tenth st. Thirteenth st. Fifteenth st. Fifth st. Thirteenth st. Fifth st.	2 Miles
	Between	Troost and Forest aves. Troost and Forest aves. North of Fifteenth st. Benton blyd & Chesnut. Cherry and Holmes sts. Indiana and Bales aves. Agnes & Bellefontaine Charlotte and Campbell Lydia ave and The Paseo Brooklyn and Park ave. Reservoirave and Cliff st Fenth and Eleventh sts. Troost and Harrison st. Penna ave and Twelfth st Broadway and Central st Mann and Walnut sts Mercier pl and Central st Mann and Walnut sts Sixth and Seventh sts. Lexington and Central st Mann and Mann sts Lexington and Central st Moodland ond Michigan Flora ave and Cherry sts. Lexington and Anderson Woodland and Michigan Riona ave and Vine st. Washington and Anderson Woodland and Michigan Flora ave and Vine st. Washington and Markington Flora ave and Vine st. Washington and Anderson Woodland and Michigan Flora ave and Vine st. Washington and Manker	28 Contracts

Statement of Natural Stone Curbing Constructed During the Fiscal Year Ending April 15, 1901.

	10-1	Sumber Tex Bills		89	89	88	90	00	98	20	31:	67	18	88	010	12	20	10	90	48	123	27	-
nstruct	_	Amoun	\$ 355		-				145					0									
Total Constructed		Lineal Feet	1,162,50						264.30												1,131,40	4,422,52	The Person in column 2 is not
		Amount	\$ 575 00	12 980	583 20	600 Fe	1,444 97	9,128 00	145 36	405 79	919 57	1,463 48	1,220 AS	200 08	1 005 01	2,371,75	442 304	610 15	181 M	380 48	581 75	2,121 bl	PART AND
	New	Price per Foot	\$.473 460	4	. 51	481	200	99'	99.	1696	.46:9							_	-		-		
ontract		Lineal	1.162.50	1.216.00	1.045.50	1,213,50	9.680.30	3 869.10	264.30	808.00	2,030 30	3,048,93	2,318,77	1,156 00	1,912,40	4,5877.00	988.00	1,386,70	1 612-10	204.60	1,131,40	4,329,62	The Park of the Pa
Public Contract	Etc.	Amount	N. 5	94 5	10 70					01 0	1.65		19 65				6.9:		1.60			9 20	-
	Old, Reset, Etc.	Per Foot	01	389	00	145.44			2	00	10	200	10				0	11.742	10	10000	-	10	
	010,	Lineal	00 40	000	118.90	444 6444	Section Section		Total Section of	on or	16.50	200 170	196.50	a section	CONTRACTOR		87.00	TEACH	16.00	The control of		99,90	
tract		Amount		\$17 DO		4000000	me pic		11 (0)	day minera		DATALISE.			Acres 4 mark	***************************************			(0)111111111111111111111111111111111111			**********	
Private Contract	300	Price per f	******	8.50			*****			***	To be a second			0.00	CANAL			000		1	+44	*****	
Privat		Lineal	Name of the local	85,00		*************			The colors	444 174711		********		T. Constituted	to come	-			10101010101	1010110111	************	over over you	
	ope	Width-In	9.04	0101	010	100	o x	200	9	2 10	10	90		2	1	40	10	4	9.49	140	g p	-	
		g.	Woodland ave	BISE ST.	Ninth 8t.	and st	Smart ave	dist st	Woodland av	Benton blyd	Walrond ave	Flora ave.	Zath st.	Milwaukee a	34d st	Teld st	Seventh st.	St. John ave	Total St.	Oak at	Warwick blv	Cypress ave.	
		From	Vine st	Thirtieth st.	Indep ave.	and at.	Indep ave	17th st.	Indep blvd	Progradet ave	Chestnut ave	Troost ave	end at	Twentleth st	32d st	the st	Indep ave.	Scarritt ave	2141 81	Warwick blyd	Main st.	Cleveland ave	
		Side	Both				: :	3	* 0	North	4	::	=			-	46	::		- 2		#	
		Street	Cottage ave	Euclid ave	Kimwood ave.	Harrison	Jackson ave.,	Madison ave	Sixth	Twenty-sev'th		Thirty-third	Vine	Wyandotte	Woodland ave	Woodland ave	Chestnut ave	Clinton place.	harlotte	Forte-third	Forty-third	Fifteenth	

Statement of Natural Stone Curbing Constructed During the Fiscal Year Ending April 15, 1901.—Continued.

par	roi	Silla xaT	######################################	185
structed		Amount	* * * * * * * * * * * * * * * * * * *	08,202 50 \$ 47,227.72 1957
Total Constructed		Lineal Feet	429.90 8.429.90 1.100.12	08,262.50
		Amount	285 58 58 58 58 58 58 58 58 58 58 58 58 5	\$ 46,309 28
	New	Price per Foot	विश्वत वहर्षेत्रवहर्षेत्रवहर्षेत्रव वृत्त्रवहर्षेत्रवहर्षे	
Contract		Lineal	459.90 1,121.12 1,121.12 1,101.13	98,245,50
Public Contract	, Etc.	Amount	on - 5407 - 2	\$ 340.06
	Old, Reset,	Per Foot	9 9 59 59 59	
	Old,	Lineal	1.881.00 1.881.40 1.881.40 1.88.30 1.88.30 1.88.30 1.88.30 1.89.30 1.80 1.80 1.80 1.80 1.80 1.80 1.80 1.8	3,911.50
tract		Amount	22	* 578 38
Private Contract	100	Price per f	38	20000
Privat		Lineal	217.30 217.30 210	1,112.50
S	сре	width-In	अभ्याका कार्याका कार्याक कार्याक कार्याक कार्याक कार्याक कार्याक वार्याक कार्याक	-
	211	To	4th st. 23d st. 23d st. 27th st. 27th st. 27th st. 27th st. Prospect ave. Woodand ave. 30th st. 30th s	
		From	ad st. 22nd st. 22nd st. Howard ave Holly st. Olive st. Oliv	18.61 Miles.
		Side	Both South Both North Both North South South South	
		Street	Locust Michigan ave Michigan ave Reservoir ave Sixteenth Thirty-third Washington Washington Woodland ave Seventeenth Twenty-fitch Thirty-minh Twentieth Woodland ave Elmwood ave Elmwood ave Filmwood ave Chirty-minh Twentieth Woodland ave Belleview ave Belleview ave Belleview ave Garfield ave Twenty-sec'nd Twen	56 Contracts.

Statement of Artificial Stone Curbing Constructed During Fiscal Year Ending April 15, 1901.

	ma	Amount Sur To ok Sussi	48	1,300 24 714 106 25	0.00	10	25	21	317		200	288	2552	25553	255555	
Total Constructed		Lineal	2,427,70	1,540,50	967.04	1,252,40	1 207 30	1,100.26	2.0r8.84	T choice about	1,529.20	2,745,75	2,705,75 2,420,97 2,949,80	2,725,75 2,420,97 2,949,80 2,364,10	2,430,97 2,430,97 2,364,10 598 60 647,39	2,440,51 2,440,51 2,844,10 508,60 647,30
		Amount	\$1,001 48	714 98		220 16	852 SE	508 12 12	1,158 11	645 70	4 0000 000	1,086 08	1,086 us 1,086 us 1,080 us 1,080 us	1,086 08 1,086 08 1,052 09 1,052 09	1,086 to 11,086 to 11,086 to 11,086 to 11,082	1,086 1,086 1,052 1,052 1,052 1,054
11	New	Price per	5.41%	-	18:											
Public Contract		Lineal	2,427,70 \$	1,540,90	967.04	388.40	1 907,30	1,300.26	2,608.84	1000000	25-0520-272	2,430.97	2,949.80	2,430,97 2,949,80 2,864,10 7,08,40	2,430,97 2,940,80 2,864,10 508,00 687,30	2,420.60 2,864.10 5,864.10 687.20 1,150.34
Publi	t, etc	Amt		100	•	TENEDES.	100000		- Paparita		The second second					
	Old reset, etc	Price per	23		-	200		100		1	1000	1		1111	11111	111111
	0	Lineal	-11	17			*****	10.000				****	11			
Private Contract		Amt	-	2		172 00		****	*********		******					
ate Co	100,	Price per F			11	200	200			-		11441	100			11111
	ayaı	Width—II	10101	1 3	ME W	311	0.00		200	D many	2		9	000	aaaa	anades
		Æ	Thirty-fifth st.	Missouri ave	Walrond ave.	, ×	Oak st.	Thirty-thi-d st.	Elghbeenth st	Forty-fourth st	Thirty-offth st	The same of the sa	Telleron dones and	Independence ave.	Independence ave Thirty-first st Wind-or ave.	Independence ave. Thirty-first st. Wind-or ave. Broadway.
		From	Thirty-third at		1	4	blvd			Forty-third st	rd st.	Menton blvd	Fifth at	Fifth st.	Fifth st. Thirtieth st. Gladstone av:	W.
Ī		Side	Both	11	3.3	::		1 1		::	1		**		24	- Contraction of
		street	Forest ave.	Oak st.	Smart ave.	Eighth st.	Forty-fourth st	Flora ave	Kensington ave	Metice at	Tracy ave	Wenty-Linity al.	dishland ave	Highland ave	Highland ave. Montgall ave.	Montgall ave. Montgall ave. Monroe ave.

Statement of Artificial Stone Combined Curb and Gutter Constructed During Fiscal Year Ending April 15, 1901,

×	aT 1 sti	No. oN	l:		2
tract	utter	Lineal Price Amount Feet per Foot	6.085.65 \$.98 \$ 5.978.71	4,067 42	10,314 96 \$ 10,041.13
Public Contract	Curb and Gutter	Price per Foot	88.	3	
Publ	Curh	Lincal	6.095.65	4,219.31	10,314 96
		Authorized by	Park Board	:	
		Ę	Michigan ave	Range 88	
		From	Linwood blyd Both Troost ave Michigan ave. The Pasco		1.65 Miles.
-		side.	Bott		
!		Atreet	Linwood blvd		2 Contracts.

Statement of Artificial Stone Sidewalks Constructed During Fiscal Year Ending April 15, 1901.

Series and series and
910
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100000000000000000000000000000000000000
829.50
Canada
7,961,70
4,470,50 15 670
1.900 90 940
81.
120
9,940 TS 529
11.

Statement of Artificial Stone Sidewalks Constructed During Fiscal Year Ending April 15, 1901.—Continued.

po	No. of Ta	920	x + ;	187	757	× 7	0165	100	× .		-4 10	10	23	o les	112	200	90	101	-	119
eted	Amount	\$ 1,815 2,286 1,555 85 85 85								879 88			577 10	285 50				553 63	260 44	0.074 BO
Total Constructed	Square Feet	9,812 13,568,50	1,675,70	14.843,48	2,957 9,857 9,858,90	8,976,30	1,797	2,855.10	5,943,06	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8,147,85	3,182	0,990	1,885	8,181.80 8,141.90	4,458,00	14,622,88	8,018	1.684.50	11,04.40
Tota	Lineal	1,963	290,5	474,0	2002	1,785	1.853	114	1,187	255	089	0890	5058	300	1.90kg	143	2,431	603	210	2,321
	Amount	980 90			252		218 88			240 00				164 00			opposite the same	(defendable)		1,235 54
ntract	Pr ce per Square foot	100			14.4		18	10		17	.16		97	7.0	117	- X			:	.18
Private Contract	Square	5,770	15.321.90	1,814,70	250	4.9.55	2.671.80	600		2,000	1,540	***************************************	1 950	1,025	2,242 3,594 40	*****	selections.	-inition-	849.45	6,863.80
H	Lineal	1.154 1.268	2,556	208	150	987	445	198		400	808	***********	180	171	200		******	A	105	1,373
	Amount	1,815 29 1,805 46												121 50						839 08
tract	Price per Square Foot	181. 1674	48	100	1599	.1632	181	1	1690	1505	1474	.176	30	15.4	16	.16	.1548	000		177
Public Contract	Square	9,812	0.55.50	13,028.78	2,707	2,774.28 4,011.30	1,797	2,355,10	5,983,05	100	1,607.85	8,182	27.90	810	0.679.80	4,458.60	14,622.88	3,013	842.45	4,740,60
	Lineal	1,903	106	2,172	541	355 808	300	471	1,187	93	355	636	418	185	8000	743	2,487	809	105	918
19	Width-Fe	10 10 10	1001	000	e io io	10.10	20 20	1010	2 117 1	010	O IO	10	io k	90	10	0	9	100	e ox	42.0
	To	17th st	50 ft. n. 35th s Gladstone av	18th st	College ave.	Brooklyn av	Harris ave	Blst st	Main st	14th st	lath st	Smart ave	Indep, ave	Harrison st	Indep, blvd	Woodland av	Monroe ave	st & Peery a	Windsor ave.	Indep, ave
	From	15th st	34th st. Prospect ave	15th st	Walrond ave	Garfield ave	Gladstone blv	30th st	Broadway	19th st	18th st	Thompson ave	Richmond PI	Campbell st	Lydla ave	Flora ave	Indiana ave.,		Grand ave	
	Side	B sth West East	West	Wage	Both	Both	East	Both	South	Kist	West	East	-	No.th	South	North	Both	Meso	South	Both
	Street	Myrtle ave	Charlotte	Garffeld ave	111	Tenth	Askew ave	Ruelid ave	_			Bellefont'n ave	Campbell	::	Eighth	-	Garner ave			Jackson ave.

Statement of Artificial Stone Sidewalks Constructed During Fiscal Year Ending April 15, 1901. - Continued.

PA X	Bills Issu	무디르타프로 하고 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그	1226
beted	Amount	本 本 本 本 本 を を を を を を を を を を を を を	114,726 92
Total Constructed	Square	5, 190, 56 1, 190, 17 1, 190, 17 2, 190, 190, 190, 190, 190, 190, 190, 190	658,510.48
Tot	Lineal	は 1 日本 日本 日本 日本 日本 日本 日本 日本 日本 日本 日本 日本 日本	116,679
,	Amount	8 9 9 8 9 1 1 1 1 8 8 8 9 8 9 1 1 1 1 1	\$ 21,334 39
utrac	Per Square	न व विभिन्न	000
Private Contract	Square	1 1.80 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	131,417.08
T.	Lineal	00 80 80 12 12 12 12 12 12 12 12 12 12 12 12 12	23,067
	Amount	SERVICE THE STREET STREETS	\$ 91,472,58
ntra-1	Per Square Price	मुस्तर्भवित्ववित्ववित्व विवर्णनिव्य विवर्णनिव्य	-1149
Public Course	Square	+ 500.50 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	524,098,40
	Lineal	######################################	V2,192
Tie	Width-Fe	nepandopana apades xpandapp	
	To	29th st. 20th st.	
	From	23d st. 20th st. 20th st. 20th st. 20th st. 20th st. Cladstone ave. Gladstone hv. Marwick hvd. Troops ave. 31st st. Lexington ave. Roberts st. Roberts st. Andley north of Garner ave. Soriedge Pl. Linwood ave. 20th st. 3	22.00 Miles.
	side	Both North N	
	Street	Montgall ave Medes Roberts Smart ave Stath hydroll Thirty-third Thirty-third Thirty-third Thirty-third Thirty-third Walrond ave Walrond ave Walrond ave Woodland ave Troost ave Troost ave Troost ave Troost ave Troost ave Balthana ave Brith Thirty ave Brith Thirty-third Thirty-thirty-third Thirty-third Thirty-thirty-thirty-third Thirty-thir	16 Contracts.

Statement of Natural Stone Sidewalks Constructed During Fiscal Year Ending April 15, 1901.

p	No of Tax	**************************************	350
	Ameant	8 570 21 18 18 18 18 18 18 18 18 18 18 18 18 18	\$26,526.45
Total Constructed	Square	2,925.70 2,542.85 2,542.85 10,521.40 10,521.70 4,764.60 4,065.46 10,53.40 10,531.40 10,531.40 10,531.40 11,531.40 11,531.40 11,63.20 11,63	24,451.19 138,479 91 \$26,526 45
Tota	Lineal	885 509 1775 1775 1775 1776 1777 1777 1777 1777	24,451.19
	Amount	\$ 742.35 01.16 023.16 1250.00 14.20 135.00	\$ 8,281,19
ontract	Price per Sq. Foot	81 8 9 8 55 0	
Private Contract	Square	8,711,78 278 8,115,80 946 946 730	15,810.58
	Linenl	619 47 519 106 1,250 55 150	2,745
	Amount	483.04 483.14 1,64.8 87 1,152.8 87 1,152.8 87 1,178.10 1,178	\$23,245 33
ntract	Price per Sq. Foot	**************************************	
Public Contract	Square	2,995,704 2,592,50 2,552,50 2,532,40 2,533 4,533 4,500 4,005 2,216,500 2,216	21,706.19 118,169.33
	Lineal	585 500 1,485 1,705 1,705 1,705 1,213 1,213 1,007 1,007 1,100 1,100 1,100 1,100 1,20	21,706.19
196	Midth-Fe	Sec. 20 10 10 10 10 10 10 10 10 10 10 10 10 10	
	To	Garfield ave. 24th st. 25th st. 25th st. 25th st. Twentieth st. Campbell st. Main st. Michigan av. 25td st. Campbell st. Merier st. Merier st. Merier st. Merier st. Troost ave. 25ts st. 21st st.	
	From	Michigan ave. 23rd st. 23rd st. 18th st. Charlotte st. wedee st. 1re Pasco. 21rt st. Lot 31, block 6, Ranson & H ad Balthnore ave. Balthnore ave. Charlotte st. Alley s of 17th st. 20th st. 20th st. 20th st. 25rd st. Broadway.	4.68 Miles
	Side	South West East East Both Both North Both East East East East East East East East	
	Street	Eleventh. Bellefontaine Grand ave Grand ave Grand ave Tracy ave Tracy ave Therey-first Eleventh Locust Locust Eighth W Prospect pl Madison ave Suventeenth Twenty-fitth Twenty-fitth Twenty-fitth Twenty-fitth Twenty-fitth Twenty-fitth Lodia ave Elekth Main st.	23 Contracts

Statement of Brick Sidewalks Constructed During Fiscal Year Ending April 15, 1901.

pa	Bills Issue	おいなまないまない	=======================================
	Amount	200 146 146 146 146 146 146 146 146 146 146	\$2,916.27
Total Constructed	Square	7,192,06 1,883,35 3,708 3,878,62 4,000 6,820,20 1,844 68 1,5,8,00	88,547,65
	Lineal	11,200 800 800 800 800 800 800 810	5,652
net	Amount	12 12 12 13 15 15 15 15 15 15 15 15 15 15 15 15 15	\$785 12
ontract	Price per Sq. Poot	80. 8 80. 90 00.	
Private Contract	Square	4,617,16 800 1,312 1,700	7,979.16
	Lineal Feet	E 8 22	1,329
	Amount	200 2146 507 2146 507 201 48 201 48 201 47 201 \$2,181 15	
ntrae	Price per 8q. Foot	80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0	
Public Contract	Square	2,505,80 \$ 1,818,35 . 3,801 2,800 2,800 2,600 2,	25,508.49
	Lineal	430 300 300 640 640 806 310	4,323
10	Wleth-F	000000000	
	To	Sard at Wyandote at Pacific at Missouri ave Pacific at Lydia ave 18th ave 18th ave 18th at 18t	
	From	Elst st. Baltimore ave 5th st. Missouriave Missouriave I'Th st. Hickory st.	1,07 Milles
	Side	Both South South Both North West	
	Street	Madison ave Twentleth Troost ave Troost ave Pitth Brooklyn ave, St Louis ave.	9 Contracts

Statement of Plank Sidewalks Constructed During Fiscal Year Ending April 15, 1901.

pa	No. of Ta	3 ° 5 ° 8 ° 5 ° 5 ° 5 ° 5 ° 5 ° 5 ° 5 ° 5
Total Constructed	Amount	######################################
Total Cor	Lineal	8.4.35 8.4.135 8.4.135 8.4.136 9.407
tract	Amount	874 CO 856 20 119 64 11
Private Contract	Price per	海 第 海 第
Priva	Lineal	200 1,1110 1018 1018 1018 296,82
tract	Amount	4. 2012年12日 12日 12日 12日 12日 12日 12日 12日 12日 12日
Public Contract	Price per	THE REAL PROPERTY AND THE PROPERTY OF THE PROP
Publi	Lineal	844.55 844.55 844.55 844.55 844.55 844.55 844.55 844.55 844.55 844.55 844.55 844.55 844.55 845.50 84
196	MIGth-Fe	कार का का का का का का का का का का का का का
	To	Sigh st. alley immed in Sigh st. Sigh st. Salda ave. Salda ave. Yroost ave. Monroe ave. Monroe ave. Holly st. Holly st. Holly st. Holly st. Roshington av. Resington av. Choutean ave. Sigh st. Sigh st. Resington av. Independ ave. Sigh st. Resington av. Independ ave. Sigh st. Resington av. Independ ave.
	From	Westport ave. Sigh St. Hosp Read Tadp. Read Tadp. Read Table St. Sigh St.
	Side	Bast West South North No
	Street	Belieview ave Bryant Bales ave Chouteau ave Drury ave Forty-first Forty-first Forty-first Forty-first Forty-first Forty-first Forty-first Forteauth Fugh Furble Furble Furble Furble Furble Furble Furble Furble Furble Furble Furble Furble Furble Furble Furble Furble Furble Furble Forteauth Furble Forteauth Furble Forteauth

Statement of Plank Sidewalks Constructed During Fiscal Year Ending April 15, 1901.—Continued.

pa x	No. of Ta	30-×1552を214022214-42015-	8115
Total Constructed	Amount	4 6000年2000年2000年2000年2000年2000年2000年2000	41,702,78 \$12,057.56
Total Cor	Lineal	1,081.80 181.50 183.50 185.70 185.00 185.00 187.10 1105.80 166.30 1105.80 1705	41,702,78
Private Contract	Amount	100 \$.33 \$.33 00 300 .30 .90 00 100 .30 .30 00	1,312 50
te Cor	Price per Foot	R 44 8	
Priva	Lineal	00 00 00 00 00 00 00 00 00 00 00 00 00	4,076.09
tract	Amount	** ** ** ** ** ** ** ** ** ** ** ** **	\$10,715 05
Public Contract	Price per	1100 100 100 100 100 100 100 100 100 10	
Publi	Lineal	1,181,160 181,50 185,60 185,60 185,60 185,60 1722,10 187,70 187,8	37,625,79
10	Width-Fe	200000000000000000000000000000000000000	
	To	White ave Alice asi Alice asi Alice asi Belleview ave 186th st Brighton ave Corell ave 18th st Brighton ave 18th st Brighton ave 18th st Brighton ave 18th st Brighton ave 18th st Brighton ave 18th st Brighton ave 18th st Brighton ave 18th st Brighton ave 18th st Brighton ave 18th st	
	From	Topping ave Kwing ave Wyandotte 8t, 11st st 11st st 12ster ave 14ster ave 14ster ave 12th st 12th st 12th st 12th st 12th st 12th st 13th st 13th st 13th st 13th st 13th st 13th st 13th st 13th st 13th st 13th st 15th st 1	T.93 Miles
	Side	Both West West Both South West South West East Both South South Fest Both South Nort	
	Street	Tenth Wash Pk blvd Twenty-sixth Holly Penna ave Seventh Tenth Tenth Kenshgton av Kenshgton av Kenshgton av Kenstral Windrester Windrester Twenty-fourth Central Twenty-fourth Seventeth Seventeth Tithey eighth Stewnteth Stewnteth Seventeth Seventeth Truthy eighth Kinwood ave	16 Contracts

Statement of Repairs to First-class Sidewalks and Curbing During Fiscal Year Ending April 15, 1901.

Work and Material	Lineal Feet	Square Feet	Price per Lineal Foot	Price per Square Foot	Amounts	Total Cost	No. Tax Bilis Issued
Nat. stone curbing, old, reset, etc.	6,672.88 181.60 2,752 14		\$.11 .12 .45		\$ 733 97 15 79 1,238 33	\$ 749 76	
Natural stone curved curb, new Art. stone c mb, curb & gutter, new Natural stone sidewalks, old	89.70 161.50 21.90	6	.48 .70 .70	\$.06	19 06	1,257 89 113 05 15 38	
" " New		941.90 19.25 1,426.60		.05 .16 .25	47 10 3 08 356 65	47 46 359 78	400
Artificial stone sidewalks, old		377 244,10 327 456	****	.07		26 39 48 82 22 89 100 32	
Brick sidewalks, old		507,80 498,40 34,80		.06 .12 35	12 00	30 47 59 80	1
Miscellaneous items		275.65		25	68 91	80 91 120 09	}
Totals		******				\$3,032 41	

Statement of Repairs to Plank Sidewalks During Fiscal Year Ending April 15, 1901.

		Districts	Grading. Cubic Yards	New Lumber Ft, B. M.	Old Lumber Ft. B. M.	Cost	No. Tax Bills Issued
District		1	6	91,825,78 100,282 40	91,018.20 96,107 87 96.872.30	\$1,520 68 2,150 62 2,112 46 2,121 98 1,112 85	
To	tals.		182	413,632.48	387,857.17	\$9,018 54	1,690

-	Distr Ordina	rict N nce N	o, 52. o. 1409	01.		Dist: Ordina	rict N nce N	io. 160. No. 140	07.
	Cubic Yards	No.	Rate	Amount	Lineal Feet	Cubic Yards	No.	Rate	Amount
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460,20	•••		\$,525	\$ 241 61	153			\$.55	84 15
572.50			475	414.44	300 31			.55	214 19
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7147.40		5	38 00	190 60			i.		30 00
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Continued.

	Dist	ordina			n No. 1. 6.			Dist Ordina		No. 147. No. 1570		Total
b	Lineal Feet	Cubic Yards	No.	Rate	Amou	nt	Lineal Feet	Cubic Yards	No.	Rate	Amount	Amoun
									İ		1	\$ 6,286
ŀ			!									7,198
١		• • • • • • • •	1								1	6,618
ı	!	• • • • • •	•••							• • • • •		1,302
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ı	: : : : : : :	•• ••••	• • •								!	1,318
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												596
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						11 1		1,575		2 35	3,701 25	45,195
							33.945			20 00	678 90	8,789
						∤≀			20	22 50	450 00	1,68%
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										5.50	49 50	118
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				_	_	- 11						
										1		

eal feet of Sewer. 9.95 miles.

Number of Tax Bills issued, 5,228,

Statement of Trees Planted During Fiscal Year Ending April 15, 1901.

				Tr	ees		Tax
Street	Side	From	То	No.	Cost E.ch	Amount	No. of
Prospect ave.	Both	Twelfth st	Thirty-first st	668	82 74		42
Wyandotte	- 11	Thirty-third st		268	2 64	694 82	11
Monroe ave	**		Smart ave	89	2 85	253 65	2
Belleview ave			Twentieth st	106	2 95	312 70	
Eleventh	144	Tracy ave	G rfield ave		2 79	435 24	
Jefferson		Sixteenth st	Eighteenth st	35	2 95	103 25	1
Holly	- 44	Twenty-third st.	Twenty-fourth st.	49	3 20	156 8	1 3
Peary ave			Indiana ave	12	2 89	208 08	
Olive	111	K C Belt Ry br'ge		478	2 74	1,296 02	31
Thirty-second		Main st.	McGee st	35	3 00	105 00	2
Washington		Sixteenth st	Southwest blvd	120	2 43	534 60	18
Forest ave		Twenty-second st		784	2 80	747 12	16
Klma	- 44	Garfield ave		31	3 15	97 65	1
Twenty-see nd	44		Lydia ave	76	2 89	219 64	2
Thirtieth	44	Walnut st	Oak st.	54	2 95	159 30	1
Agnes ave	**	Righteenth st		249	2 78	692 22	14
Raltimor- ave	41.	Thirty-third st	Westport ave	255	2 68	683 40	17
Grand ave	46	Thirtieth st	Thirty-first st	26	3 20	83 20	1
McGeo	44	Thirty-ninth st.	Forty-third st .	167	2 68	447 56	1
Montgall ave.	110	Twenty first st	Howard ave	187	2 81	389 08	30
McGee	- 11	Thirty-first st	Thirty-thirdst	96	2 73	262 08	5
Oak		Thirtieth st	Thir y-first st	28	3 20	N9 60	2
Main	**	Twenty-ninth st	Westport ave	299	2 67	798 33	17
Oak	44	Fortieth st	Forty-third st	95	2 78	259 35	1
Thirty-fourth.	14	Main st	Oak st,	64	2 78	189 04	4
Twenty-ninth.	el	Cherry st	Troost ave	99	2 88	280 17 267 90	1 2
Twenty-sec'nd	99	Brooklyn ave	Prospect ave	73	2 85	210 97	9
	**	Troost ave	Lydia ave	67		186 24	4
Thirty-third Woodworth av	11	Main st	MeGee st	51	2 78	147 39	7
	**		Oak st	115	2 53	290 95	8
Wyandotte	44.	Sixteenth st	Southwest blvd.	127		368-30	*6
Roberts	44	Walrond ave	Monroe ave.	111			7
Baltimore ave Dunham ave	44	*ixteenth st	Southwest blvd	504	2 58	285 48 106 14	7
Gladstone ave	**	Agnes ave	College ave	42	1 101	76 86	
Tenth	- 11	Brooklyn ave	Olive st.	33	1 83	60 39	-
Twenty-fou'th		Chestnut ave	Walrond ave	81	1 81	158 72	1
Jackson ave	40	Independence ave		95	9 97	215 65	4
lypress ave	14	Independence ave		80	2 25	180 00	3
Kensingtonav	40-			514	2 44	121 36	4
Spruce ave	**	Independence ave Independence ave	Garnerave	67	2 37	158 79	3
College ave	**			157	1 88	287 31	- 6
Bellef't'ne av	44	Independ'nce byd	Twenty-third st	91	1 83	166 53	6
Garnerave		Walrond ave		125	2 25	281 25	- 4
Fourteenth	80	Woodland ave		68	1 83	124 44	1
Indiana ave.	44	Tenth st	Twelfth st	45	2 25	101 25	Î
Highlandaye.	44	Tenth st	Fifteenth st	150	2 19	348 21	32
Iwenty-sev'th	North	Prospect ave	Benton blyd	41	2 30	94 30	1
48 Contra				MINT		\$15,670 07	3.41

Miscellaneous Public Work Paid for by Voucher During Fiscal Year Ending April 15, 1901.

1					nt
		31, 1900	Repairing bridge at Montgall and Belt line	\$335	
		31, 1900 31, 1900	Repairing bridge at Olive and Belt line Building foot bridge at Kansas and Belt line	599 150	
		31, 1900.	Stone furnished for building approach to Woodland ave viaduct.	nu	80
C M Cravens 8	Sept.	30, 1900	Constructing curb, Woodland ave and Belt		
Rîley & Olive	Oat	21 1000	line, 41½ lineal feet @ 45c	312	68
shey & Onve	oct.	31, 1900	Total		

Miscellaneous Public Work Authorized by Ordinance During Fiscal Year Ending April 15, 1901.

	Or	dinance		
Contractor	No.	Date Approved	Specifications	Amount
Riley & Olive Riley & Olive	1 15,270	Aug. 29, 1907 Aug. 29, 1900 Nov. 27, 1900	Repairing Stairway, 6th and Penn Repairing 4th st Vladuet	\$ 84 45 2,952 05
			Total	\$3,036 50

Recapitulation of Public Work Constructed During Fiscal Year Ending April 15, 1901.

Nature of Work	No. of Contracts	Cubie Yards	Square Yards	Square	Lineal Feet	Miles	No. Tax Bilis Is'u'd	Total Cost
Paving, streets " alleys. Grading streets " alleys. Curbing, natural stone artificial " Art, stone com, curb and gutter. Sidewalks, artificial stone. " natural " brick. " plank. Repairs, latcla-s sdwks & curb'g " 2d class (plank) sidew'ks District sewers Tree pianting. Miscellaneous public work paid for by voucher. Miscellaneous public work authorized by ordinance. Reconst'ng stone block paving	14 60 28 56 23 2 96 23 9 56 1 1 12 48	384,478.10	7,261.43	658,510,48 134,479,91 33,547,65	71.473.19 10,591.74 98.292.50 39.322.61 10,314.96 116.179 24.451,19 5.652 41,702.78	82 13.54 2 18.61 7.45 1.95 22 4.13 1.07 7.90	1.759 554 114 835 409 1,690 5,228 3,413	707.000 90 12.281 15 76.276 64 5.563 36 47.227 72 17.850 98 10.041 13 114.726 92 26.526 45 2.916 27 12.057 55 3.032 41 19.018 54 134.143 07 15.670 07 1,481 57 8,638 50 8,956 03
	516			in 10144	4111444		26,222 \$	1,202,810 26

Recapitulation of Public Work Under Contract at Close of Fiscal Year Ending April 15, 1901.

Nature of Work	Con-	Cubie Yards	Square Yards	Square Feet	Lineal Feet	Miles	Estimated
Paving, streets alleys Grading, streets Curlding, natural stone, artificial Artif, stone comb and curb and gutter. Sidewalks, artificial stone natural brick plank District sewers Tree planting	8 18 9 12 3 38 4 8 17 4		6,952	17,955 33,850	30,361	5.21 5.75 1.81 6.04 .65 1.07 1.68	4813.324 17 11,6:0 41 19,950 11 11,5:09 16 13,05:2 38 8,8:22 38 34,794 71 3,288 72 3,113 77 3,072 07 101,080 08 4,246 83
~	139				1000000000	(existe	8559,937 47

Statement of Ashoalt Paving Under Contract at Close of Fiscal Year Ending April 15, 1901.

				Speci	Specifications	suc	Ap	Approximate Estimat-	e Esti	mat-
Street	From	To	Kind of Aspaalt	Asphalt	BitumCon	Conc.ete	Lineal	Square	Cost per Sq. Yd.	Total
Highland ave. Twenty-fith Woodland ave. Ginton pl. Seventeenth Twenty-third. Gampbell Holly Charlotte Holly Thirty-eighth Thirty-eighth Thirty-first Thirty-first Thirty-first Thirty-first Thirty-first Thirty-first Thirty-fourth Thirty-first Thirty-fourth Thirty-first Thirty-fourth Thirty-fourth Nineteenth Nineteenth Nineteenth Nineteenth Nineteenth Nineteenth Nineteenth Nineteenth Nineteenth Nineteenth Nineteenth Nineteenth Nineteenth	Prochty-third st. Brooklyn ave. St.John ave. Prospectave Benton blyd Main st. Twenty-fourth st. Twenty-first st. Twenty-first st. Twenty-first st. Twenty-first st. Twenty-first st. Twenty-first st. Twenty-first st. Twenty-first st. Melrose add. Twelfth st. Melrose add. Twelfth st. Melrose add. Twelfth st. Melrose add. Twelfth st. Troost ave. Main st. Troost ave. Warwick blyd. Warwick blyd. Troost ave. Warwick blyd. Troost ave. Warwick blyd. Troost ave. Warwick blyd. Wanty-first st. Troost ave. Warwick blyd. Wanty-first st. Troost ave. Walrond ave. Walrond ave. Walrond ave. Walrond ave. Walrond ave. Walrond ave. Walrond ave. Walrond ave. Walrond ave. Walrond ave. Twenty-ninty st.	Twenty-fifth st. Trinidad Asp. Indiana ave Searritt ave Indiana av	Am Bit Rock Trinidad Lake	HARRIEST AND AND AND AND AND AND AND AND AND AND	** **** *****************	0 %	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2	변환수요요요요요요요요요요요요요요요요요요요요요요요요요요요요요요요요요요요요	8, 8, 900 8, 4, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10
13 Contracts	9.00 Miles						48,000	144,193		\$905,287 90

Statement of Brick Paving Under Contract at Close of Fiscal Year Ending April 15, 1901.

			Spee	Lifea	Specifications	Ap	Approximate Retimate	e Ketim	ate
Street	From	To	sand	Concrete	Britch Between	Lineal	Square	teoD praff	Total
Michigan ave Michigan ave Furteenth Twenty-first	Howard st. Twenty-eighth st. Hickory st. Kansas ave.	Twenty-fifth st Twenty-ninth st Wyoming st College ave	Q8 Q8 Q8 Q8	2000	Cemint Genint	450 401 727 1,038	1,739 1,739 2,236 3,603	\$ 1575 1575 1575 1575	\$ 2,175 % 8,913 to 2,885 45 6,478 50
4 Contracts.	.50 Miles.		-		-	2,616	8,938		\$ 14,260 51

Statement of Macadam Paving Under Contract at Close of Fiscal Year Ending April 15, 1901.

			1	approxim	Approximate Estimate	nate	
	From	To	Specifications Free	Lineal	Square	Cost per Square bard	Total Cost
Armour blvd	Broadway	MeGee st	Prk, Brd, Spec.	1,500	8,800	\$ 1.54 1.57	\$ 1.54 \$ 10,010 00 1.57 13,816 00
2 Contracts,	.64 Miles.			3,400	3,400 15,300		\$ 23,826 00

"Except that part between Wyandotte street and Main street.

1 88875888 | 10 |

Statement of Alley Paving Under Contract at Close of Fiscal Year Ending April 15, 1901.

Brick.

			Speed	Specifications		Approximate Estimate	e Estim	ate
Alley Between	From	То	Sand Inches Concrete	Inches Spaces Between Brick	Lineal	Square	Cost per Square braf	Total
Charlotte st and Campbell st Fifth st and Sixth st	Missouri ave Broadway Eleventh st. Fleventh st. Indiana ave. Twenty-fourth st.	Independence ave Pennsylvania ave alley n. of 12th st Twenty-fourth st Twelfth st. Benton blyd.	31013131313131	Portland Cement Grout	67.1 69.7 24.5 40.1 20.5 56.8,22 808.23	1,192 1,482 880 669 673 673 749 749 749	\$ 1 53% 1 73 1 67 1 68 1 68 1 6198 1 70	5.5 1,827 6.94 6.94 1,090 1,090 8 5,555 8 5,555 8 5,555
7 Contracts.	.70 Miles.		1		3,623,09	0.482		\$ 10,932 (

Statement of Alley Paving Under Contract at Close of Fiscal Year Ending April 15, 1901.

Asphalt.

The same			Spec	iffent	fons	Ap	Approximate Estimate	e Estin	oste	
Alley Between	From	To	Asphalt	Bly Cone.	Concrete	Lineal	Square	Cost per Square biard		Total
Delaware and Wyandotte st Thirds:	Third st	Fourth st	1% 1%	13%	- 40	180	320	\$ 2 12	4	678 40
I Contract.	.03 Miles.		1000	100	1	180	950	\$ 2 12 \$ 678 40	96	01 810

Statement of Street Grading Under Contract at Close of Fiscal Year Ending April 15, 1901.

	-10	Miscell Cost	5 1.2 00 00.00.00.00.00.00.00.00.00.00.00.00.	\$05,00 \$19,900 12
	adic	Price	प्रमुक्त अप	
	Drain Pipe	Lineal	2 229 22 2 A 1251 15 17	515
		Size	111111111111111111111111111111111111111	-
Imat	-Rock	Price	# 14 A	
Approximate Estimate	Ca. YdsRock	Ехелен-	1,838 300 1,000	2,580
pprox		Price	9 9 9	
A.	1s - Karth	Em- bank- ment	6,700 1,000 1,000 19,904	27,800
	Cuble Yards - Karth	Price	मुस्त में न में स्त्रत	
		Exenva-	2,963 2,680 1,820 1,113 12,284 1,113 12,284 5,011 5,011	48,700
		Lineal Feet	2.577.36 900 1,000 1,000 2.480 600.77,00 600.171 1,200.21 1,200.21 1,200.21	22,036.42
		13	Troost ave Benton blvd Indran ave Thirty-fifth st Thirty-eighth st Thirty-fifth st Thirty-fifth st Thirty-third st Thirty-third st Wyandodie st Bunter ave	
		From	Oak st. Prospectave Benton hvd Thirty-second st. Thirty-sevonth Bradwav Thirty-first Thirty-first And st. Thirty-first And st. Thirty-first And st.	4.18 Miles,
		Street	Forty-seventh Thirtieth Wabsah ave Brooklyn ave Graffeld ave Righland ave Hentral Fullon Righland ave Hentry-first Heray-first Independence ave	II Contracts

Statement of Natural Stone Curbing Under Contract at Close of Fiscal Year Ending April 15, 1901.

<u>.</u>		Total Cost	\$378 B1 R24 79 1,829 R2 1,829 R3 1,020 R4 1,144 00 1,144 01 1,144 01
Katima	urb	Price	5.4.4.5.4.4.6.4.2.4.2.4.2.4.2.4.2.4.2.4.2.4.2.4
Approximate Estimate	New Curb	Lineal	775 1,928 4,256 9,570 2,700 1,041 1,042 1,428 1,428 1,500 24,143
dd Y	etc	Price	# 15 15 15 15 15 15 15 15 15 15 15 15 15
	Reset, etc	Lineal	3.43 8 90 100 100 100 100 100 100 100 100 100
,		AbidT loul	មាលមាលមាលមាល មា
		To	Twenty-fifth st. Twenty-fifth s Ronnose blvd Indiano ave Thirty-eighth st. Holmes st. Holmes st. Holmes st. Holmes st. Hondond blvd Benton blvd.
		From	Howard st. Twenty-third Broadway Woodland ave Thirty-fifth st Grand ave Thirty-fiest st Prospect ave Warwick blvd 5.21 Miles
		side.	Both
		Street	Michigan ave

Statement of Artificial Stone Combined Curb and Gutter Under Contract at Close of Fiscal Year Footing April 15, 1901.

; : !	Approximate Betimate	Amount	2,050 (8,71%) (81,728 40 4,000 (964 8,686 00 8,880 (964 8,237 wh	\$8.822 36
	mat	Price per foot	<u></u>	
	Approxi	Lineal Feet		9,710
15, 1901.		-T	Both Armour blvd Sline Hampden pl Cherry st Troost ave Broadway McGee 81.	
Ending April 15, 1901.		From	Armour blvd Cherry st Broadway	1.84 Miles
		Side		
		Nreet	Camplell st Armour blvd Armour blvd	3 Contracts

Statement of Artificial Stone Curbing Under Contract at Close of Fiscal Year Ending April 15, 1901.

ste		Total Cost	943 *	: <u>1</u>	5:A	Ĭ.	717	777	2574	3	3	1.X.	=	2,26		18.076 20
6-tim	urb	90114	± ±	ŧ	Ë	Ξ.	=	Ŧ	¥.	7	=	=	Ē			
Approximate Betimate	New Curb	Lineal	0 <u>3</u>	4,630	7,31	ë	Ē	3	A. 1.7.	Ĵ	- A	3.400 004.x	3.	4.13		160,051
Appr	e le	क्लात		5	₹.	5	₹.	3.	3	:	:	3	E	:	٠.	
	Reset, etc	Lineal	: 	Ş	ŝ	\$	2	3	Ĥ	:	5.	3	Ē	:		1.270
<u> </u>		િલ મિલ્લ મિલ્લ		.:	.7	•	٠.:	٠.	٠3	٠.	•:	٠:	.:			
 	_	.	Fortleth #t	Thirty-fith st	Fifteenth at	Mercherat	Walrondave	Campbell st	Indiana ave	College ave.	Thirty-fifth at	Nineternih at.	Cleveland ave	Brooklyn ave		
		From	Westport ave	Thirty-first at	fwelfth at	Holly at.	Gladatone blyd	Troot ave	Bawklyn ave	Kankar ave.	Thirty-third at	Fifteenth at.	Indiana ave	tirove at		5.75 Miles
		t Z	Koth	:	:	:	:	:	:	:	:	:	:	:		
!		High	Xain	Michigan ave	Askrw uve	C114	Thompson av.	Thirty fourth	Twenty-fifth	Twenty first	Highland ave.	Wyrth Bir	Twenty-fifth	Howard	!	12 Contracts

Statement of Artificial Stone Sidewalks Under Contract at Close of Fiscal Year Ending April 15, 1901.

				Feet		Approx	imate	Estimat	te
Street	Side	From	То	Width-Fe	Lineal Feet	Square Feet	Price per Square Frot	Miscel- lane'us	Total Cost
Thirty-third	North	Troost ave	alley e, of Holmes	6	1,100	6,600	\$.178		\$ 1,174
Twentieth st.	South		Holly st	6	172	1,030	.21	min	216
Charlotte st	Both		Thirty-second st.	5	974	4,870	.1519		754
Michigan ave	14		Thirty-fifth st	5	4,021	24,620	.1598	* 010 40	3,934
Courth st	40		Grand ave		281	2,740		\$ 219 39	
Montgall ave,	North		Twenty-third st Wyandotte st		250	5.000	1656	175 92	760 (670 (
hird st	7401.01		Alley east	11.7	158	1,900	.1636	108 55	
ifth st	14		Locustst		568	1,500	.149	100 00	2:3
)ak st	West		Missouri ave	6	305	1.830	.17		BIL
. W. Blvd	North.		Twenty-fourth st		800	6,400	.1495		956
Woodland ave	West		Twenty-second st		470	2,350	.17		399
Vabash ave.	Both		Twenty-sixth st., alley bet, 14th and	5	3,450	17,250	.149	40	2,570 3
time it is to	11.000		15th sts	5	160	800	.1498		119 1
gnes ave	66.	Eighteenth st	Twentieth st	5	620	8.100	.1599	*** ***	455 7
en wood ave.	14		Thirty-fifth st	5	200	1,000	.19		159 (
fontgall ave	Both		Twenty-sev'nth st		595	2,975	.15%	******	457 4
lcGee st	****		Forty-third st	5	375	1,875	.154	*******	288
dain st	West	Thirty-sixth	Thirty-seventh st	5	195	975	15%	********	149 8
Nineteenth st	Both		Indiana ave	5	160	1.050	.154		128 2
lighteenth st chompson ave			Walrond ave	5	175 480	2,400	.154	*) * 1 7 1 7 1 7 1	161 7 359 7
hirty-second	Both		McGee st	5	685	8.425	.15%		580.8
Chirty-first st	South		A pt. III ft. w. of		009	10-10-17	.1072		000
			s.w., Sec. 16	5	725	3.625	.1499		543 4
Chird st	14	Main st	Grand ave		217	2.600	16	157 45	567
hirty-eighth	North	Central st.,	Broadway	5	275	1.375	.1499		200 1
Valnut st	Both	Third st	Fourth st	full	180	2,664	.1736	229 93	6.3 1
Voodland ave	East		Eighteenth st	- 6	50	300	163	********	48 9
Voodland ave			Nineteenth st	6	65	390	.163	edition!	68 5
linton Place	East	Windsor ave	St. John ave	426	175	793	.17%	******	137 7
live st		Fifteenth at	Thirtieth st Seventeenth st	5	360	1.80)	.1484	TTT I IT	275 5
wenty-fourth	- W. C.		Brooklyn ave	5	175 810	4:200	.1498		131 6 598 5
W. Blvd	South	Baltimore ave	Madison ave	8	2.240	17.910	.1368	252 80	2,702 8
orest ave	East	Twenty-fifth.	Twenty-sixth st	6	685	3.800	.1800	*****	531 6
rifth st	South		Oak st	full	710	1.480	1498		221 7
Armour blvd.	Both		*McGae st Troost ave	8	3,250 3,875	26,000 31,000	.214	******	5,564 (
timour biva.		Cherry St	Troose ave	0	0,010	31,000	1411		0,003
S Contracts.		6.04 Miles.	*With exceptions		31,872	196,302			\$ 84,794 7

Statement of Natural Stone Sidewalks Under Contract at Close of Fiscal Year Ending April 15, 1901.

				1	App	roxima	te Esti	mate
Street	Side	From	То	Width	Lineal Feet	Square Feet	Prien Poot	Total Cost
Twenty-fifth Charlotte Twenty-sev'th Washington	Roth North	Forest ave 23d st Benton blvd 14th st	Alley east Howard ave Indiana ave. Fifteenthst		150 1,540 1,555 226	750 7,700 7,775 1,180		\$ 128 0 1.443 7 1.438 3 248 6
4 Contracts		.65 Miles.		N	8,471	17,355		13,208 7

Statement of Pressed Brick Sidewalks Under Contract at Close of Fiscal Year Ending April 15, 1901.

				5	App	roxima	te Esti	mate
Street	Side	From	10	Width-	Lineal Feet	Square Feet	Price per Sqr Foot	Total Cost
Fifteenth Twenty-sec'd. Eleventh	Both	Cleveland ave Vine st Jackson ave		6	4,166 875 1,100	2,250	.11	\$2,825-00 247-50 541-20
4 Contracts		1.07 Miles.			5,641	38,850		\$ 3,113 70

Statement of Plank Sidewalks Under Contract at Close of Fiscal Year Ending April 15, 1901.

		-		7	Appro	ximate Es	rimate
Street	Side	From	То	Width	Lineal Feet	Price Per Foot	Total Cost
Twenty-third Garl*nd ave Nicholson ave Warnall road Fifteenth Twenty-s cond Monroe ave Twenty-third Twenty-third Thirty-seventh Warnall road Watkins ave Bristol ave Crystal ave Bristol ave Seventsenth	East South West South North Kust West Kast	Garland ave, 44th st., Chelsea ave., Flora ave, St. John ave, Indiana ave, Askew ave, Troost ave, 44th st. Boohester ave 17th st. 15th st.	Alley south. Montgall ave. 450 ft. south. Lister ave. 150 ft. west. Morrell ave. Askew ave. Cleveland ave Pt. e Forest av. 750 ft. south. 394 25-100 ft. s. 18th st. 17th st. 15th st.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	264 130 550 450 250 150 277 689 430 437 750 394, 36 1,100 525	8 .041/2 .077/2 .077/2 .28 .28 .080/2 .080/2 .080/2 .080/2 .080/2 .080/2 .080/2	\$ 100 45 48 77 207 fb 1300 fc 70 fb 147 88 167 26 167 26 164 164 217 32 164 66 164 5 160 22 172 20 164 5 160 22 192 20 19
17 Contracts		1,68 Miles.			8,900.25		13,672 (6

Statement of District Sewers Under Contract at Close of Fiscal Year Ending April 15, 1901.

							۲	Approximate Estimate	te Estin	nate							
Material	o o	District 146 Ordinance No. 16219	ot 146 No.	6219	0,0	Districts 161-2-3 Ordinance No. 16146	161- No.	2-3 16146	Ord	District 101 Ordinance No. 16155	rt 10 No.	1 16155	Ord	District 148 Ordinance No. 15874	t 148 No. 1	5874	Total Estimated
	Lineal Ft.	Cuble Yds.	Zo.	Rate	Lineal Ft.	Cuble Yds.	No.	Rate	Lineal Ft.	Cubic Yds.	No	Rate	Lineal Ft.	Cuble Yds.	No No	Rate	Cost
19In. pipe sewer 12-in. 12-in. 13-in. 13-in. 13-in. 14-in. 14-in. 14-in. 14-in. 18-i	1,425 1,425 1,445 1,455	29.000000 15000000	899	** ** ** ** ** ** ** ** ** ** ** ** **		£\$		[24]		9		98 98 98 98 99 99 99 99 99 99 99 99 99 9		1,000	\$2	**************************************	
catch basin connec's Katimated cost		:		\$71,045 00	250			45 \$14,002 40			:	\$2,900 00	2.505		:	40 \$15,141 6 8	\$103,080 0

Statement of Tree Planting Under Contract at Close of Fiscal Year Ending April 15, 1901.

				Approximate Estimate	te Es	timate	
				Trees			
Street	Side	From	19	Kind	No.	Cost	Total
Brooklyn ave. Chestnut ave. Troost ave Montgall ave. Thirty third st. Campbell at knotld ave. Chestnut ave. Harrison at. Indiana ave. Lecust st. Michigan ave. Walnut st. Walnut st. Walnut st. Walnut st.	ğ	Belt Ry. Bridge. Twenty-third st. Linwood ave Chalents st. Chalents st. Twenty-ninth st. Independence bly Thirty-third st. Linwood ave. Thirty-fourth st. Thirty-fourth st. Thirty-fourth st. Thirty-fourth st. Thirty-first st. Thirty-first st. Thirty-first st. Thirty-first st. Thirty-first st. Thirty-first st. Thirty-first st. Thirty-first st. Thirty-first st. Thirty-first st. Thirty-first st. Thirty-first st.	Twenty-sixth st. Twenty-sev ints st. Therry-eighth st. Twenty-sev ints st. Twenty-sev ints st. Twenty-first st. Thirry-first st.	Hard Maple Soft Maple Soft Maple White Elm	KSSESSESSESSESSESSESS	######################################	本名との名前をおいる。 本名は本名を表表がある。 本名は本名を表表がある。 本名は本名を表示を表示を表示を表示を表示。 本名は本名を表示を表示を表示を表示を表示を表示を表示を表示を表示を表示を表示を表示を表示を
19 Contracts.					25.53	1	\$ 4,246 53

Statement of Condemnation Cases During Fiscal Year Ending April 15, 1901.

	Status of Case	ding ding sete ting	led ting ete ting	ete ting etc ting	led ting etc	ting ete ting
	Status	Complete Collecting Complete Collecting	Appealed Collecting Collecting	Complete Collecting Complete Collecting	Repealed Collecting Complete	Collecting Complete Collecting
Benefits	Property	\$22,268 00 5,558 00 1,389 00 2,740 00 2,740 00 2,500 00 1,146 50	2,000 00 296 00 749 00 144 80	800 00 1,909 00 2,619 00 2,021 00 76 50	2,200 1,200 1,900 8,400 1,000	
	Kansas	888888888	1108	888888	8888888	88888
parapu	Circuit	July 1, 1899 May 8, 1899 July 15, 1899 Nov. 7, 1890 Apr. 9, 1900 Feb. 26, 1900 Meb. 17, 1900	Apr. 9, 1900	Nov. 19, 1900 June 23, 1900 Nov. 10, 1900	Dec. 15, 1900 May 28, 1900	Dec. 8, 1900 Nov. 10, 1900
Verdict Rendered	Mayor's Court	Dec. 15, 1899	Oct. 20, 1899 Jan. 3, 1900 Jan. 10, 1900	Jan. 17, 1900 Jan. 10, 1900 May 14, 1900	25, 1900 14, 1900 25, 1900 30, 1900	S. SHIPS
	To	K C Belt R of way Genesee st. Twelfth st. Fifteenth st. Eighteenth st. Thirty-fourth st. Charlotte st. Jackson ave.	Tracy ave. Twenty-eighth st Ninth st. City view add	Forty first st. Hoffman Pk add. Thirty-third st. Sixth st. Eleventh st.	Eighteenth st Gordon pl Pennsylvanua ave. Mersington ave Monroe ave	Pleasant View Mt Vernon Junet Surmitt st.
	From	Wyandote st Wyandote st Ninth st Alexander Park. Thirty second st. Grand ave. Seventeenth st	lot 9 Roseland Twenty-seventh Righth st Twenty-fourth st	Fortieth st. Myrtle ave Thirty-first st. Fifth st. Ninth st. Twenty-second st	City Park add Sidney pl. Bilzabeth st. Ray's Hill Warkins ave	Jackson ave Cleveland ave Broadway
	Street or Alley	Independence ave Thirty-ninth st Clevehard ave Cleveland ave Charloute st Twenty-third st Bighteenth st Alley bet Holmes and Charlotte	Alley w of Buelld Krusington ave.	Terrace st. Eleventh st. Montgall ave. Kensington st. Kensington ave. Alley e of Lin-	wood Terrace. Myrite ave. Myrite ave. Windsor ave. Nicholson ave.	Twenty-fourth st Ninth st
Ordinance	Approved	May 1, 1866 Aug. 20, 1868 Sept. 7, 1848 Occ. 1, 1848 Jan. 16, 1899 June 1, 1899 June 1, 1899 June 1, 1899		Aug. 23, 1899 Aug. 29, 1899 Aug. 16, 1899 Sept. 20, 1899 Sept. 29, 1899	a zazzz	
0	No.	11746 10864 10850 10820 10971 11164 11164 11164 11165	12161 12171 12451	1270 1270 1270 13050 13051	19250 19350 19350 19350 19350	13409 13409

Statement of Condemnation Cases During Fiscal Year Ending April 15, 1901.—Continued,

			Verdict Bendered	tendered	B	Benefits	
Street or Alley	From	To	Mayor's Court	Circuit	Kan.	Property Owners	Status of Case
Walnut Agues ave. Summit Twenty-seventh. St n of Eleventh	 Portleth st. City Park add. Thirty-eighth st. alley n of Wyn'd. Cleyeland ave.	Forty-first st Righteenth st Fortleth st Baltimore ave	May 21, 1900 July 16, 1900 July 23, 1900 June 11, 1900		8888	6,499 00 1,839 00 2,344 00 6,199 00	Collecting Renealed Collecting
Mereier	Thirty-ninth st Brooklyn ave.	ney place Fortieth st.	July 30, 1900 Aug. 8, 1900 Nov. 19, 1900		1 00	1,024 00 899 00	Dam's exceed
Fifteenth alleys of Belt Ry	Benton blyd	Wyandotte st	Sept. 10, 1900 Oct. 1, 1900	***************************************	188	3,799 60	Collecting
· d	T 49 R 33. Throst ave. Lloyd pl	Knelld sve.	Feb. 24, 1898 Apr. 19, 1899 Nov. 12, 1900		888	7,148 00	Appealed Collecting Complete
Topping ave Chestnut ave Jefferson Thiere-thed	Eighth at.	Wash Park blvd Eleventh st Rosnoke	Jan. 21, 1901 Jan. 7, 1901 Feb. 4, 1901	102	888	8,199 00 4,139 00	Appealed
		lotte & Holmes. Forty-first st. Fifteenth st.	Jan. 21, 1901 Jan. 28, 1901		1 00	00 066	Repealed Appealed Jury disagre'd Dam, ex, bene-
alley bet Wyan- dotte & Central. Thirty-seventh		Thirty-seventh at	1 15		1 11	Harrison of	
	Chellis' re-survey Chestnut ave	Holmes st lot 70. Gulnotte ad Fortieth st.	Jan. 21, 1901 Neh. 25, 1901 Neb. 18, 1991		8888	2,849 00 2,849 00 2,139 00	Aprealed
Sewer R of way.	Fortfeth st.	Forty-seventh st.	-	PARTITION OF THE PARTIT		***************************************	Pending

Statement of Condemnation Cases During Fiscal Year Ending April 15, 1901.—Continued,

	Status of Case	Dead. No jury Panages ex- eeed benefits " Repealed Pending Collecting Fording Fording Fording Collecting Fording Collecting Fording Collecting Fording Repealed Repealed Repealed Fording		:::	***
Benefits	Property Owners	\$ 1.00 \$ 2,899 00 1.00 499 00		1	
B	Kansa-	1.00			
tendered	Circuit	April 22, 1901 St. April 16, 1905 St. Feb. 25, 1901 1 00 499 00	allor		
Verdiet Rendered	Mayor's Court				
	10	Westport ave Walrond ave Lister ave Walrond ave Main st. Chestnut ave Forty-second st April 16, 196; Forty-second st April 1	Benton blvd Hornblk & B. allov Franklin st. Indp. Road.	Bank st. Windom st. Thirty-fourth st.	Thirtieth st. Woodland ave. Tenth st.
	From	way Thirty-eighth st. Westport ave onth st. st. st. st. st. st. st. st. st. st.	Gladstone ave Thirty-ninth st Holly st Wash. Park blvd	Washington st Kirkwood st Linwood blvd	Twenty-ninth st Prospect ave Ninth st
	Street or Alley	Broad- Alley	9th sts Central st. Seventeenth st Bennington ave.	7th sts	and Highland av Thirty-third st
Ordinance	Approved	Nov. 15, 1960 Nov. 25, 1960 Nov. 27, 1960 Nov. 27, 1960 Nov. 27, 1960 Dec. 10, 1960 Dec. 10, 1960 Dec. 10, 1960 Dec. 17, 1960 Dec. 17, 1960 Dec. 17, 1960 Dec. 17, 1960 Dec. 17, 1960 Dec. 17, 1960 Dec. 17, 1960 Dec. 17, 1960 Dec. 17, 1960 Dec. 17, 1960 Dec. 17, 1960 Dec. 17, 1960 Dec. 18, 1960 Dec. 17, 1960 Dec. 17, 1960 Dec. 17, 1960 Dec. 17, 1960 Dec. 17, 1960 Dec. 17, 1960 Dec. 17, 1960 Dec. 18, 1960 Dec. 18, 1960 Dec. 18, 1960 Dec. 18, 1960			-
0.0	No.	1578 15780 15780 15870 15880 15880 15880 15891 15942 15942 15942 15942 15942 15942 15942 15942 15942 15942 15942 1602 1602 1602 1602 1603 1603 1603 1603 1603 1603 1603 1603			_

Statement of Streets Paved with Cedar Blocks at Close of Fiscal Year Ending April 15, 1901.

			Foundation Specificating	at'ny	2005	j I	İ			97.4	
Yire:	From	£ .	enae sedont, braosti sedonti	sayouj ajajauo ji	nastatak (eras (Accepted	- Page 1	Lincal	Yards	no') mpg noq brait	Contractor
Main	2nd st	3d at.		3	:	May 16	5. 1894	-	1.200	€ **	James Metionigle
Missouri ave		Walnut at	_	3 0	۰,	Auk.	3.5	3	 5	21	Geo. T. Baer
Oak	*th *t		- -	-	:	Dec. 1:	- T	1.056	0 H.	-	J. B. Smith & Co
Print. ave	1 1 BIG	Belt Line R.	-	£		Dec. 22	<u> </u>	£	12,046,90	- -	:
* venth	Grand ave	Cak at			:	July 10	1781 3	ŝ	<u> </u>	<u>۲</u>	Andrew Jaicks
1.81.	7 436	At Louis ave	÷1	:	:	Dec. 1	1.1888	3.	1.3.1	_	Geo. J. Baer
Trust ave	Indp. ave.	8th 21	: _	ء.		June 5	- Z	ŧ	1.53.1	;; ::	-
\ 1m.	41			æ	:	I 10%	F. 1850	4	# #	71	_
Water-have	- in-	Dors ave		_:	-	Nov.	₹ <u>.</u>) H:	J.CEO	-	J. R. Amith & Co
Walroudave	Mr. John ave	Norledge Pl.	-	·		ارد. الم	3 - 2	Ĵ	9	1 46	A. J. McBean & Co
•	Total Co	Cotal Codes River vaccount paid	1 6	: _	i I		1 659 0	To use track feet 33 or miles		1	
	Total	Total Cedar Block pavement taken up	ent tak	 	: .	, 71	1. i.		4	<i>:</i>	
	T. 6.1 ().	tree of the state of the form						:	:	:	

Statement of Streets Paved With Stone Blocks at Close of Fiscal Year Ending April 15, 1901.

			1				i		:			
			Foun-		Mainte	Maintenance				ba		
Miret	From	T.o	.nl –.snoO	Accepted	ed Signal	Expires		Lineal Feet	Square Yards	Price per	Contractor	Remarks
- : :		Bluff at bridge Grand ave	: <u>-</u>	la la	1896		 ::	35	2,577	8 38	George Todd Kepley & A.	Repaved & Repaired
Eleventh	Santa Fe st.	wend lith at		To be		5 Sept. 24, 1963	1943	1,118	3.976.10	8.8	Parker W. Co.	Repayed & Repaired
Grand ave	: .	Front st	; 20 ; 20	Aug.	*			3	78.82	36	E. Saxton.	
	th st	sth st	= x : :	· Since in the same in the sa	1891	June 25, 1896	180	25.	605.50	2.540	C. I. Powell	
Ninth.		Grand ave	£ &	Mch. 26	186. 1895		<u>:</u>	57.1 60.1	979.10	25 14 14 14 14 14 14 14 14 14 14 14 14 14	J. D. Hackett.	
	Main st.	Walnut st.	- 3. 3 - c -	2 Dec. 14	. ;	=:	0.5	3	2.5	[]; (2)	H. S. Trestrall	
Twelfth	Liberty st.	Bell st	د د ۲۲	2 Oct. 15 2 Dec. 16	. 186 5. 186 5. 5. 5.	5 Dec. 16, 1	1865	1.167	6.00.00 6.00.00 6.00.00	:8:	Mulvane & K.	
Tenth.	Main st.	Grand ave	2	Jan. 31	81, 1891 5	¥.	966	# 5 6	1.250	38	_:=	Commission
	2nd st.	4th st	?1 E	Jan.	24.6		: :	3	2.446	200		Mediation
Walnut.	4th st	5th st	8 12	2 May 12	<u> </u>	5 May 12, 1899	0.81		1,554	;; %	J. O'Donnell.	
Total stone b		Total atone block naving to date 9.94 miles	1					1 24 1	1 89F 2F			
	or will be a rink or	de la constante de la constant	_	-			-	1000	11.004.11	-		
			1					-				

Statement of Streets Paved with Macadam at Close of Fiscal Year Ending April 15, 1901.

-			N	Material Used-Inches	al'th	-pas	Inch	8.0		-	Maintenance					
	From	To	Grashed Grantte	Sereenings lavaro	himestone	Crushed	Broken Limestone Beth, Falls	Limestone	Accepted	Years	Expires	Lineal	Square	Price braid	Remarks	Contractor
	29d st. 29th st. 36th st.	25th st. Ints. Allen Winter ave.	1111	1111		111	2:::	111	Oet. 4, 1894	\$:::	100000000000000000000000000000000000000	1,264 2,000 1,789 3,452	6,000 6,000 6,006 23,013	160		M Walsh Street Dept. A J Armstrong
	Indp. blvd		Park		Board	specifications	ficat	lons		111		4,140	18.981.80 20,066.21 21,906.60			AndrewJaicks L. J. Smith AndrewJaicks
Chestnut ave	39th st	43d st.	111	111	111	1		111		101		8,000 2,709 1,556	20,0nc 9,030 4,988	89		Street Dept.
	Westport ave 8d st	43d st. Indp. ave.	111			1 0	122	111		Sign Sign		1,716	5,730 4,279,30 1,847,80	7.8	Stone	
herry harlotte	15th st.	19th st Indp. ave		111		9 : :			Sept 13, Sept 25,	200 S		1,860	7,178.80 8,280.09 4,596.60	इंडिंड	Gutter	
1.7.4	litch st	15th st.		00 0	-	11	100	9 9	1,6	1880		9885	5.451.40 3 8cg	2003	Brk Gutter	T W Drinkw'r
	Mulberry st	Santa Fe st							2.00	891		180	2,151.70	18.		G K White T Casey
2 1	lith st	Westport ave	111	111	1	0 ;		111		200		2,150	4,977	50		A J Armstrong
	Hickory st	Wyoming st.	::	1 50	11	4:	000	1 10	10.5	202		191	1,862,80		Brk Gutter	G G Nelswer
	Beth st	25th st.	10		-		. :		April 24, 18	8000		8,132	10,887,50		Brk Gutter	
Portieth (Ch.)	Washington st	Penn st.					111			100		406	1,350	8.8		A.J.Armstrong
11	Main st	Oak st State Line		11	-	6-116		11		10		1,264	5,056	30, 30,		: [2]
Ŧ.	Clay st	Oak st. blvd.	111	110	-	9-12	10	-	6 Nov. 27, D91	15		1,504	6,876	730	Acceptant of the last of the l	C L Powell

Statement of Streets Paved with Macadam at Close of Fiscal Year Ending April 15, 1901. - Continued.

				Mat	rial	Use	Material Used-Inches	ohes				Ma	Maintenance			ā		
Street	From	To	Granite	Granite	Gravel	Screenings	Broken	Limestone Beth, Falls Limestone	Bank		Accepted	Years	Expires	Lineal	Square	Price per Square brait	Remarks	Contractor
Guinotte ave Hunter ave Harrison Holmes		Highland ave Broadway 18th st. 5th st.		11111	11111	W W:		* ! ! ! !	m	Aug. April Meb.	31, 1898 128, 1893 2, 1893 13, 1891	10::::	Aug. 31, 1903	1,116 610 982 506 918	5,771 4,066 3,408.70 1,776.90 3,159.20	5 20 5 5		A J Armstrong J Gasey J Halplu G K White
Holmes Indiana ave Indp. ave	Mst st	and st	1111	1111	1 120 1	3 5 5	: oo : :	198		April May Oct.	1-, 1898 24, 1866 27, 1808	10 ::	April 18, 1903	2,451	20,1750.50 20,1128.70 8,187.20	1.24	Stone	MeT. & Halpin K. C. B. & C. Co C. L. Powell
Indp. blvd	Indp. ave Walrond av n.	Smart ave		1	30	7		0.	3	Meh.		-		1.474	6,482.70	- '	Gutter	Trestrail P. Co
Indp. blvd	of St. John av	e, City limits e, end of Indp. blvd.	00	-	1 18		1 1	10 10	1 1	July July	14, 1899			000	2,796.48	1.4.	Walks	A.Armst. C.Co
Indp. blvd			1	- 6	76		- :	10		Nov.	15, 1899			1,840	7,391,86	1.86	A4 10 a)4	McT. & Halpin
Linwood blvd	Troost ave	Michigan ave	P	Park	Board		specifications	atio	80	Jan.	2, 1901	: :		8,900	18,209.80	1.54		McT. & Halpin
Lydia ave	Indp. ave	8th st	10	11	11,	1:	:00	-	24	Meh.	81, 1897	:04	Mch., 31, 1899	1,000	3,469.70	1		W Powell K.C. Brk. G Co
Lydia ave Lydia ave		27th st		111	. : :	. Z :	111	000	. 22	Jan. Sept.	4.55	101	2 Jan. 25, 1890	1,372	1,048.70	13.6		A J Armstrong G K White
Missouri ave		Forest ave K. C. Belt Ry	::	100	11	::	10	22.	; ;	Aug.	20, 1898	1 :		1100	1,039,50			J Halpin W Hickman M Walsh
Main	23d st.	21th st.			111	1 3		5	111	Aug.	18	100		4,001	1,651			J W Drinkw'tr
Myrtle	_	Washington st		: :	11	2 2	= :	::	20	*****		01	The second	1.904	6,481.10	87. 1819.	Stone Cros'ing	F F McCorm'k
Nineteenth	Genesee st	State Line	11	111	1 1	1 3	1	9	9	Feb.	1892	::		312	9,920 1,948	1.83	Gutter	Property own. Kansas Ofty

Statement of Streets Paved With Macadam at Close of Fiscal Year Ending April 15, 1901.-Continued.

	Contractor	W. Hickman K. C. B. & C. Co., F. J. Armstrong A. J. Armstrong A. J. Armstrong A. J. Armstrong A. J. Armstrong A. J. Armstrong M. J. Connor A. Armstrong M. F. W. Graham W. Powell J. M. Graham W. Powell K. B. Mahon'y T. Brosensan Crowiey & G. B. Connor J. J. McGovern Osage R. G. Co. J. J. McGovern Osage R. G. Co. J. J. McGovern Osage R. G. Co. J. J. McGovern Osage R. G. Co. J. M. W. Drinkwa'r J. J. McGovern Osage R. G. Co. J. M. W. Drinkwa'r J. J. McGovern Osage R. G. Co. J. J. McGovern Osage R. G. Co. J. Armstrong A. J. McGovern Osage R. G. Co. J. Armstrong A. J. Armstrong A. J. McGovern Osage R. G. Co. J. Armstrong A. J. Armstrong A. J. Armstrong A. J. Armstrong A. J. Armstrong A. J. Armstrong A. J. Armstrong A. J. Armstrong A. J. Armstrong A. J. Armstrong A. J. Armstrong
	Remarks	Br Gutters
9	Price Squar	858 858 858 E E E E E E E E E E E E E E
	Square Yards	938 99 11,236 17,416 17,416 1,000
	Lineal	27.000 1.1000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1
Maintenance	Expires	Feb. 15, 1887
N	Accepted	Aug. 25, 1882 Dec. 7, 1883 Aug. 18, 1893 Phb. 15, 1895 Nov. 15, 1899 Nov. 15, 1899 Nov. 21, 1899 Aug. 30, 1899 Aug. 30, 1899 Aug. 30, 1899 Aug. 30, 1899 Aug. 30, 1899 Aug. 31, 1896 Aug. 4, 1896 Aug. 4, 1896 Aug. 4, 1896 Aug. 5, 1896 Aug. 5, 1896 Nov. 2, 1896 Nov. 2, 1896 Nov. 2, 1896 Nov. 2, 1896
	Bank	a ee
901	Beth; Falls	ichimima illi gille in éallill
Inch	Printerone	NO
pe	Limestone	
2.0	Sereenings	THE STREET STREET
Material Used Inches	Gravel	
Mat	Grantic	Park Board specifications 1
	Granite	100 1111 10000000
	of badanata	Coak at. Gladstone ave. Stih at. Tith at. Tith at. Tith at. Scothester ave. Scothester ave. Stoth at. Coak at. Stoth at. Stoth at. Stoth at. Coak at. Stoth at. Stoth at. Coak at. Stoth at. Stoth at. Coak at. Stoth at. Stoth at. Coak at. Stoth at. Stoth at. Coak at. Stoth at. Stoth at. Coak at. Stoth at. Stoth at. Coak at. Stoth at. Stoth at. Coak at. Stoth at. Stoth at. Coak at. Stoth at. Stoth at. Coak at. Stoth at. Stoth at. Coak at. Stoth at. Stoth at. Coak at. Stoth at. Stoth at. Coak at. Stoth at. Stoth at. Coak at. Stoth at. Stoth at. Coak at. Stoth at. Stoth at. Coak at. Stoth at. Stoth at. Coak at. Stoth at. Coak at. Stoth at. Stoth at. Coak at. Stoth at. Stoth at. Coak at. Stoth at. Stoth at. Coak at. Stoth at. Stoth at. Coak at. Stoth at.
	From	Modes at Prospect ave 35th st. 40th st. 40th st. 52th st.
	Street	Ninth Oak Oak Oak Oak Petta ave Petta ave Park ave Pasco, w rdw Pasco, w rdw Pasco, w rdw Roano e rdw Roano e rdw Roano e lavd Roano e lavd Shawnen Steenth Steenth Steenth Steenth Steenth Therefth Thirty-fifth Thirty-fifth Thirty-fifth

Statement of Streets Paved With Macadam at Close of Fiscal Year Ending April 15, 1901.

	Contractor	F P McCorn'k A J A&F P No A J Armstrong Jackson Co N C B & C Co K C B & C Co K C B & C Co K F P NcCorn'k
	Remarks	#72 #73 #5 Cr B Gut #6 #7 #7 #7 #7 #7 #7 #7 #7 #7 #7 #7 #7 #7
! a	भगेती per Supare brail	27.74 27.74
	Yanga	5,530 8,684 19,585 19,585 19,585 19,585 19,585 1,101,500 1,184 10,800 10,800
	Lineal	1,659 2,151 582 4,713 5,410 41 5,53 1,428 8,000 1,246 2,480
Maintenance	Кхрігея	2124 : 22 : 21
, W	Acoepted 7'ears	Meh. 6, 1888 1015 18, 1888 1010 29, 1898
ed - Inches	Clumescone Broken Limescone Beth, Falls Limescone Ganescone Ganescone Ganescone	212
Material Used - Inches	Ornshed Granite Gereenings Gravel Limestone Screenings	
	G.	Medee st. Oak st. Oak st. Name st. Tih st. Ish st. St. Louis ave.
	From	Wyandotte st. Broadway Main st. Broadway Shah st. Illih st.
		Thirty-seve'th Wyandotte st. Thirty-eighth. Broadway Thirty-ninth. Main st. Thirty-ninth. Broadway Troost ave. Sth st. Viginia ave. 11th st. Wyoming. Wh st. Woodland ave. 12th st. Wannut. Sth st. Wannut. Sth st. Warwick blvd n line lot 20

			Specifica	lou.			N	Maintenance	un D	90			bri		
Street	From	To	Spaces Between	Coner, te	Acc	Accepted	81697	Ex	Expires		Lineal	Square	Cost per	Col	Contractor
Anderson ave Anderson ave I	Walrond ave Indiana ave	Indiana ave Askew ave Gladstone byd	Grout	000	Aug. May Feb.	17. 1898 22, 1899 3, 1899	101010	Aug. May Feb.	F. 31 00	1001	385,70 812 8,106	1,294,40 8 2,718.20 9,345	-	456 R. J. B 473 S. F. Se 50 R. J. B	Boyd Schroeder Boyd
	1	and st. S. ofty limits.	::	000		-			-	Soon	746.70			Fred Feigel	etgel "
ave		136 feet north.	Grout	***	Dec.	50, 1898 5, 1848 8 1800		5 Dec.	žá a	200	136,70	8,314,20	1.685	A. R. Mense	yd P&CCo
BVP	27	1	Sand		Mar.	27, 1837 31, 1808			Side of the	1906	610.90	2,082.80	1 40	P-Wash'n	n'n Co
e ve			Sand	+=				Sept.	621	1001	828 482	2,116.60	202	Fred G. K	Fred Feigel
ve.	listh st.	y bridge	Grout	000	Apr.			S Apr.	in:	808	1,981.60	5,747,70	1.08	200	eCormiek phroeder
Broadway	lith at	12th at	Sand				2121	5 Sept.	deli	008	1000	1,187,90	98	H.S.	restrail
9.48	2th st.		Sand			19, 1805	242.6	July	ďź-	1900	420	1,758 90	14.	E. E. F.	aris
Baltimore ave	lifeth st.	fred				13, 1897	214	A Nov.	25.0	706	646,30	N.517	1.40	Fred F	Fred Felgel
A A	vd	Milwankee av	. :	**	May			May		106	814	8,321	18	A. K.	fense
		Woodland av	1.1			-		July	Tef:	200	2004	1,787	1.57	- 100 E	Shroeder
-		6th st	Sand	-				Apr.	×.	100	200	1.686.1	4	Matt F	dulin
	ave	vd	Grout			-			7.00	500	1,321	0,529,50	1.49	A. R. Mense	dense
110	Sth st.	12th st	11	**	-	-		Sept.	188	906	1,551.80	1,501.10	1.47	473 " 445 Fred Frigel	lazio
Oberry	Stb at	12th st.	Sand	**	Aug.	16, 1897 27, 1895	66	Aug.		2005	1.485	5.191		N. Mel	nestrail

Statement of Streets Paved with Virilied Brick at Close of Fiscal Year Ending April 15, 1901.-Continued.

			Specifica-	-		-1	daint	Maintenance			P-#1	
Street	From	To	Spaces Between Brick Concr'te	Inches	Accepted	Years		Expires	Lineal	Square	Cost p	Contractor
Campbell	5th st.	Indep, ave	Grout	99	Mar. 11, 18	898	Mar,	5.	1,124.13		-	425 M. Mense 515 S. F. Schroeder
	5th st	16th st	Sand	6 A	50.0	501 5	Aug.	21, 1			-	5.5 Peter Purcell 573 S. F. Schroeder
	3d 8t	4th st		-	55	808	May	25			-	39 F. G. Trestrail
Euchd ave	Troost ave	Forest ave	Sand	30	200	NO. IN COLUMN	Anr.	, S			7-	70 Lillis & Glennon
:	Main St	Brondway	-	2 ·	10,1	891 5	New.	10, 1908		-	-	Fred Feigel
Eighteenth	Woodland ave	Olive St.	Mur-Grt		-	896 5	Ang.	· ×			1.238	Trestrail Pav. Co
1	Olive st	Prospect ave		o pio	10,	986	Oct.			2,113,50	1.42	M. Mense
Flora ave	Holmes at	Troost ave	Sand		Feb. 11, 18	d ru	Feb.	-1			1.645	Trestr'l & Bros'h
	Delaware st	Wyandotte st.		old J	-	100	July	-			1.05	F. P. McCormick
Fourth	W lunt at	Grand ave	Grout	-	15,	897 5 5	Apr.	15, 1902		01.780	1.40	M. Mense
: :	Broadway	Main st	Sand	:	21,	803	July	21, 1			mi,	
Fourteenth	Broadway	Summit st		4.0	7.7	6 6 5	Feb.			2,571.20 188.90		Goo, R. Rarelav
	Penula ave	Broadway		7	25, 1	891 5	July	189			-	455 F. P. McCormick
ave.	Troost ave		# 1	6 0	29, 1	8/11 5	Dec.	29, 1			-	Trestr'l & Bros'h
e	Walrond ave	Indiana ave	Sand A C	22	-	2885	Nov.	25, 1897			4	F. P. McCormick
Genesee.	12th st		Sand A C	S.Z.	14.	806 5	Nov.	14.			1.37	R.J. Boyd P&CC
	st st.		Sand	S	27.	891 5	Nov.	27.			-	
********	5th st	Pacific St	Grout	9	26, 1		Nov.	26, 1				P-Wash'n Co
***	ad 8t.	5th st.	Sand	50		_	S July				1 27	J. E. Faris
ave	Indep. ave	7th st	n ::		19, 1	898 5	5 Dec.	19.			1.59	Geo. J. Baer
8ve	7th st	8th st	-	8 A	21, 1	_	Apr.	21, 1			1.20	F. P. McCormlek
	28d st	24th st	Grout	9	.0.	2 668	June	. ·		24.8	1.49	P-Wash'n Co
Holmes	orb at	101 h st	Sand	94	-	NOW DE	Tune.			1.415	1 745	
AVE	10th st	20d st	Grout	T.	21.	00	Sent	91.		7	1.505	A. R. Mense

			Specificat'ns	ns			N	Maintenance	Bun	900		-		-0.3	-		
Street	From	10	Spaces Hetween Briek	Concrete	Acce	Accepted	Years	Es	Expires	*	Lineal	_	Square	Der Squar Draf	DIRI	Contractor	uetor
Hekory	9th st	St Louis ave	Sand	9		0,1800	12	May		1808	330		986	18 18	9	Geo J Baer	
lekory	5t Louis ave	Independ ave	Grout	6 3	Aug.	13, 1840 18, 1840	e i-	Aug.			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		4.016.40	1 51	200	Faris	eder
arrison	Independave.	8th st	in the second	9		16, 1890	1-	Ang.	16,		1,000		3,348.60	10	50	rker Wash	wh Co
ndlana ave	St John ave	Anderson ave	Grout.	4 2	Apr.	21, 1900	91-	Apr.	15	1001	1500	-	2 06 1.90	1 2 2	N SE	F Schroed	eder.
ndiana ave	Anderson ave	Independ ave		201	opt.	3,	191	Sept.			1,912	00	5,800,00		KS 18	J Boyd	
diana ave	Joth st.	S W blvd	Sand	9 9	Ane.	18, 1900 90, 189a	(+10	Jan.			1 98.1	60	4 206 10		2.3	Walter Wil	Cillian
Jefferson	8th 8t	9th st	1	9	Ipr.		40	Apr.			305		1,910	-	45 G	Geo J Bag	-
Herson	Higher at	INCH ST	1 1	20	lug.	29 ISB2	G K	Aug.			1,414		4,999		100	Gao I Roor	N P
,	Hickory st	Liberty 81	Grout	9			3 43	lune		- 14	202	-		1 6	514	R dens	- 51
exington ave	Walrond ave .	Indiana ave		20		-	101	Jane		DOM: N	5M5	-	1,687 50	-	N O	M E Trestra	rail
Ocust	total at	18th st.	0	let p		15, 1895		& Feb.		1900	1.417		5,548,70	1 235	100	miler w	HIIIAUII
ootust	18th st	19th st	Sand	9			10	5 Oct.			416		1,707,80	-		Fred Felgr	el.
Lydia ave.	Guinotte ave.	oth st.	Grout	94	Apr.	10, 1899	ax	Apr.		1901	1,754		5,336,93	-	50 Fg	Parker Was	ash'n C
rdia ave	15th #t	18th st		9			340	June			1,366	90	5,748.30	-	558 Fr	Fred Felge	10
orrell ave	Walrond ave.	Bales ave		101		,	131	Nuv.		_	1,113		3,000,30	-	48 M	M Mense	
Madison ave.	13th at	14th at	13	00			E 40	5 Aug			28.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0	90	973.40	-	P L	PERTIN	ush'n C
Madison ave	21st st	28 bag	Sand	2	Sept.	-	140	Sept.			600	-	2,017,10	-		Walter Wil	Hans
W. III	12th st.	19th 8t.	11	pld				a June	30,		3,505		12,720	-		Geo Baer	- Anna
Michigan ave.	Oth at	TOTA ME	:	6 9	Anr.	-	ava	5 Apr.			387		1.812	1 74		Jas O'Donnell	nell
chigan ave.	10th st	12th st	:	U		•	10	Aug			N. S. S. S.		2,891	-	2	7	
tehigan ave.	16th #t	ISTN 84	::	9		-	141	Meb.			897.	10	2,575.10	-	H 9	S Trest	rail
Vinth Co.	Penna ave	Jefferson at		9	May	31, 1825	n ei	May		10001	20,00		619.30	-		Jus Hamilton	non
Cint bearing	Lydla ave	Woodland ave	Mur.Grt.	0		-	0	Apr.	25		1,300		5,300,40	1 24		M Mense	1
Nineteenth	Wroming st.	Geneser st	Grout	8		18, 180	10	Villy.	Link	15002	270	2	1,085,50	=		Arker-W	ash'n C

Statement of Streets Paved with Vitrilled Brick at Close of Fiscal Year Ending April 15, 1921 - Continued.

			Specificat'ns	su.			Mai	Maintenance	unee		_		a	
Street	From	To	Врасея Вегмеен Виек	Concrete	Acce	Accepted	STANY	Expires	ses	Lineal		Square	Oost per Squar	Contractor
Olive	Isth st	Belt Ry Brg	Sand	20	Sept.	28, 1897 1, 1896		14	28, 190,	-		2,155,40 \$		H. S. Trestrail
Penna, ave.	7th st	ath st	:::	00	Dec.				3, 1901			07.87,70	1.05	2.7
rospectave.	Lexington ave	Indp. av	Sand	20	Nov.	6. 1898 2. 1889	5 Ort.		6, 1906	***		7,235,90	1.545	M. Mense
Park ave	St. John ave	Lexington ave	Asn Gem		Tuly		1010	,50				8,108	1.64	R. J. Boyd
Jark ave	Indp. ave	9th st	The state of the s	4	Oet.						-	540.60		Geo. J. Baer
Roberts	Indiana ave	Rales ave.	Grout	9 2	Aug.	31, 1898 38, 1807	5 Aug.		1, 1908			02,018	1.01	Walker Hickma
Roberts	Bales ave	Monroe ave	: :	9	Det.				17, 1906	869		2,015,50	1.59	7 A. R. Mense
Summit	Isth st.	Mouroe ave	Sand	00	Dec	16, 1800	5 July		1904		***	,126,10	1 50	R. J. Boyd Co
a Fe	-	Union ave		9	Muy		(A)		-			210.50	1.54	J. E. Faris
St. Louis ave	Santa Fe st	Turn'r & Coad	: :	94	Dec.		10 10					0.85		R. J. Boyd
st. Louis ave	state Line	Furn'r & Coad	*	9	Nov.		-34		1898			506.00	1	das O'Donnell
Sixth	Broadway	Delaware st.,	Asn Cem	90	April	100.0	121		14, 1898			240,	1 87	Trestrall & Bro
Sixth	Walnut st	McGerst	Dance	0 80	Dec.	19, 1896	a la	Dee 1	1001			458	1.73	R. J. Boyd
Seventh	Penna, ave	0	Asp Cem	-	Aug.	Comp.	14		-			214.70	-	F. P. McCormick
Seventh	Main st	Delaware st	Sand	90	April	29, 1896	0		7, 1900	713	-	796.50	1.89	Jas. Hamilton
Seventh	Garfield ave	Brooklyn ave	4	-	13.		_					468.40		Chas Thomas
Sixteenth	Wyoming st.	Liberty St	Sand	9		_						864	-	H. S. Trestrail
Sixteenth	Woodland ave	Oliva st	Sand	**	MAS	15. 1891	5 May		1898	2,168		7,622		R. J. Boyd
Sixteenth	Broadway	Main st	Grout	8	-		2 10	-	-			795.70	-	R. I Royd
Seventeenth.	Grand ave	Baltimore ave	Sand	9			100		1, 1902			2,549.30	-	Parker-Wash, C
Seventeenth.	Woodland ave	Prospectave	Grout	- 20		28. 1800	01-	Sopt, 2			-	0.500	1.677	F. P. McCormick
Summit.	20th 8t	21st st		9		9, 1601			9, 1908	100	m	1,647,40	1.597	Trestrail Pay, C
Phompson ave	OLD St.	Indp. ave		9	A 11 CF	The state of the s	i					The Party of Lines.		

			Specificatins	,ns		Mat	nte	Maintenance		T			64	
Street	From	To	Spaces Between Brick	Concrete	Aeo	Aecepted	Years		Expires	*	Line.l Feet	Square	Pand Per Squa	Contractor
Troost ave	5th st	Pacific st	Grout		6 Oct.		90	Oct		1961	88	2,825,70	11 488	Walker H e
Froost ave	Wyandotte st	Grand ave	Sand	ol 1	April	igo	- 10	April		-	1,200		1 100	F. G. Trestra
Third	Gentral at	Locust st	: :	99	May	5.0	2-	May	die.		976.18		1 75	J. B. Smith & Co
enth	Locust st	Cherry st	Grout		Nov.	200	201	Nov.			978.70		7	Parker-Wast
Pwelfth	Malberry St	Liberty st	Grout	111:0	June.	19, 1897	010	June.		1005	2011.60	482.70	1 25	M. Mense
weifth	Vinduet.	Lincoln st	Sand	0.	6 June	23.	10 A	June			08:1		1 90	R. J. Boyd
welfth	Penna, ave	Broadway	Grout	Bio	6 July	2.5	242	July			673.10	1.631.80	1 17	R. J. Boyd
fwelfth	Hroadway	Main st	Sand	plo	Nov	do	20 1	Nov.			1,108	3,617.70	1 38	Jas, O'Donnell
weifth	Mulberry st	Hickory st	Grout	plo	Aprili	18	Date:	April		1905	130		1 415	G. W. Buzzell
Chirteenth	Hickory St	Liberty st	Pung.	z c	Oet.		00	Oet,		1900	507	1,755.80	1 20	Jas. O'Donnell
Thirteenth	Walnut st	Grand ave	,,,,		July		*	July		1899	249		1 59	C. M. Crave
	Grand ave	Flora ave	Canal	9 2	Nov.	000	- 3	Nov.		1839	4,658	16,848	5.5	J. E. Faris
Twentieth	Summit st	S. W. blvd	Sand		July	604	310	July		15003	1,649 10		_	
1	S. W. blvd	Onk at		10	April	17.	9	Apri		1001	2,023		_	J. E. Paris
wenty-first	Walnut st.	Troost ave	Gront	00	Oet.		9 1-	Oot.		1987	1,409		_	S. F. Schroed
wenty-sec'nd	Troost ave	Forest ave		2	Oet.		00	Oct.		1907	3002	942 10	-	A. R. Mense
Twenty-sec'nd	Porest ave.	Lydin av.	: :	24	July	0 12	10	June		1907	1.126			A. R. Mense
hirteenth	Summit st	Washington at	Sand	9	Nov.	e i	3 5	Nov.		1884	929		-	C. L. Powell
wenty-third.	Summit st	S. W. blvd			Nov.	10,	90	Nov.		1901	308	1,208.40	-	Geo. J. Baer
wenty-third,	Campbell st.	Troost ave	Grout		June	6	0	June		1807	628.50		_	S. F. Schroed
Twenty-third.	Troost ave	Lydia ave		2 40	Oct.		90	Ane.		1903	546	1,672,60	-	1 583 S. F. Schroeder
Twenty-fo'rsh	Charlotte st	Cempbell st	=	2	Nov.		-	No.		1906	100			A. R. Mense
Personate for Park	Transact aven	Treased and	Sand	*	-	10 1800	0	Man.		I MUT	- KENO		_	Lillin A Criebi

Statement of Streets Paved with Vitrified Brick at Close of Fiscal Year Ending April 15, 1901.-Continued.

			Specificatins	Suz			M	Maintenance	ance			9	
Street	From	Ą	Between Spaces	(:oretete	Acce	Accepted	Years	Expires	res	Lineal	Square Yards	Price pangaran pangaran	Contractor
Twenty-eigh's Locust st. Virginia ave. 122h st. Vine. 121h st. Vine. 122h s	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Holmes st 19th st 10th st 10th st 15th st 25th st 1	Grout Sand Grout Sand Band Grout Sand Grout Sand Grout Sand Grout Sand Grout Sand Grout Grout Grout Grout	0-0000000-X000000000000000000000000000	Ang. Apr. Apr. Apr. Apr. Apr. Apr. Apr. Apr	25, 1887 1887 1887 1887 1887 1888 1888 1888		Marianakariana da a a da a da a da a da a da a da	2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	244. 884. 1,381. 89 1,381. 89 1,381. 80 1,381. 80 1,381. 80 1,381. 80 1,181. 80 1,185.	Tanana men anne assessa dinesal	######################################	1.57 R. J. Boyd Pav. Co. 1.57 R. J. Boyd Pav. Co. 1.58 R. P. McCormick 1.473 S. F. Schroeder 1.473 S. F. Schroeder 1.474 Fred Fugel 1.40 Trestrail Pav. Co. 1.57 A. K. Mense 1.40 Trestrail Pav. Co. 1.58 H. P. Schoon 1.59 Fred Fugel 1.40 Trestrail Pav. Co. 1.50 Fred Fugel 1.40 Fred Fugel 1.40 Fred Fugel 1.50 Parker-Washon Co. 1.50 Parker-Washon Co. 1.50 Parker-Washon Co. 1.50 Parker-Washon Co. 1.50 Parker-Washon Co. 1.50 A. R. Mense 1.51 M. Mense 1.52 M. K. Nense 1.53 M. K. Nense 1.54 A. K. Mense 1.55 A. K. Mense 1.57 Fred Fugel 1.57 A. K. Mense 1.57 Fred Fugel 1.57 A. K. Mense 1.57 Fred Fugel 1.58 A. K. Mense 1.57 Fred Fugel 1.58 A. K. Mense 1.57 A. K. Mense
36.03 Miles.							1			190,280.21	90,280.21 649,929.10	1-0	

Statement of Streets Paved With Asphalt at Close of Fiscal Year Ending April 15, 1901.

Strom				Specificat'ns	t'ns			Ma	Maintenance	ace.			10.2		
State Stat	Street	From	To.	Inches Bitu, Conc. Inches	Con, Inch	Acce	patd	Years	Explr	*	Lineal	Square	Cost Per Squar	Contractor	tor
Walsham Ave Propression No. 20, 1868 S Nov. 30, 1868 666.20 10th st. 12th st. 15, 15, 5 5 Dec. 15, 1900 19 Dec. 15, 1901 1900 <	ave	ton	Howard ave.	27	9+			10 N			E 23	10.109,10	200 231	Gibonite R &P Co Barber & P Co	&P Co
224 84 124 84 154 155 156 156 166 164 165 166	ave	Wabash ave.	St John ave	# # T				Su's			808	2,425,40		Gilsoni	& P Co
Control Cont	ave	Oth St.		25°			-	10 S			1,426	4,869.50		20	& P Co
Pendleton ave Lexington ave 15, 15, 16, 16, 1888 5 [Out. 19, 1904] Minnte ave. Minite ave. 15, 15, 16, 17, 1888 5 [Out. 10, 1904] Minnte ave. Independ ave 25, 15, 1889 6 [June 21, 1889 6 [Jun		paon end t		12			-	5 A		-	1,451	1,681.10	201	Barber A	P Co
Minnie ave. Mindepend ave 25 7 6 June 21, 1866 5 June 21, 1866 6 June 21, 1866 6 June 21, 1866 6 June 21, 1866 6 June 21, 1866 1 Grove 20, 1869 6 June 21, 1869 1 Grove 20, 1869 6 June 21, 1867 6 June 21, 18		Pendleton ave		25	-		-	05			152	1,170,20		_	
Amile ave. Independ ave 27, 4 Sept. 18, 1860 10 Sept. 19, 1900 10 Sept. 19, 1900 10 Sept. 19, 1900 10 Sept. 19, 1900 10 Sept. 19, 1900 10 Sept. 19, 1900 10 Sept. 19, 1900 10 Sept. 20, 1867 5Aug. 21, 1868 5Aug. 21, 1868 5Aug. 21, 1868 5Aug. 21, 1868 5Aug. 21, 1869 5Aug. 21, 18		Lexington ave Minnie ave		201			-	10			092.00	03,106,20		Gilsonite R&P Co	& P Co
100 st. 100 st. 15 15 16 Nov. 20, 1807 Nov. 25, 1807 St. 100 st. 120 st. 15 15 16 Nov. 20, 1807 St. 100 st. 120 st. 25 16 Sept. 20, 1807 St. 101 st. 120 st. 25 16 Sept. 20, 1807 St. 102 st. 120 st. 25 16 Sept. 20, 1807 St. 103 st. 120 st. 25 16 Sept. 20, 1807 St. 104 st. 120 st. 25 16 Sept. 20, 1807 St. 105 st. 120 st. 25 16 Sept. 20, 1807 St. 106 st. 120 st. 25 16 Sept. 20, 1807 St. 106 st. 120 st. 25 Sept. 20, 1807 St. 106 st. 120 st. 25 Sept. 20, 1807 St. 106 st. 120 st. 25 Sept. 20, 1807 St. 106 st. 120 st. 20, 1807 St. 107 st. 120 st. 20, 1807 St. 108 st. 120 st. 20, 1807 St. 108 st. 120 st. 20, 1807 St. 109 st. 120 st. 20, 1807 St. 100 st. 120 st. 20, 1807 St. 100 st. 120 st. 20, 1807 St. 100 st. 120 st. 20, 1807 St. 100 st. 120 st. 20, 1807 St. 100 st. 120 st. 20, 1807 St. 100 st. 120 st. 20, 1807 St. 100 st. 120 st. 20, 1807 St. 100 st. 20, 20, 20, 20, 20, 20, 20, 20, 20, 20,		Amie ave	Independ ave	50.0			-	100			1,282	8,479.30	1010	-	
K O Belt Ry 25th st 2	Brooklyn ave.	oth st	10th 8t	151 FE			-	010			824.70	1,876.40		:	
ave 19th st. 17th st. 25, 6 Nov. 23, 1860 5 Nov. 21, 1891 1 St. 24, 1 Ann. 13, 1890 5 Jan. 13, 1890 1 Jar. 145, 1891 1 St. 1 Ann. 13, 1890 1 Jar. 145, 1891 1 St. 1 Ann. 13, 1890 1 Jar. 145, 1891 1 St. 1 Ann. 1445 1 St. 1 Ann. 14		K O Belt Ry		e s			-	0.0			02.254.10 10.000.10	2.034.50	: 50	Barber A P (000
Ave 9th st. Ave 9th st. Ave 9th st. Ave 9th st. Ave 9th st. Ave 9th st. Ave 9th st. By 15 old Out 15, 1806 5,00t, 15, 1800 1,445 By 15 old Out 6, 1801 5,1010 1,445 By 15 old Out 6, 1801 5,1010 1,445 By 16 old Out 6, 1801 5,1010 1,485 By 16 old Out 6, 1801 5,1010 1,485 By 17 old Out 6, 1801 5,1010 1,485 By 18 old Out 6, 1801 5,1010 1,485 By 18 old Out 6, 1801 5,1010 1,485 By 18 old Out 6, 1801 5,1010 1,485 By 18 old Out 6, 1801 1,480 By 18 old Out 6, 1801 6, 1802 1,480 By 18 old Out 6, 1801 6, 1802 1,480 By 18 old Out 6, 1801 6, 1802 1,480 By 18 old Out 6, 1801 6, 1802 1,480 By 18 old Out 6, 1801 6, 1802 1,480 By 18 old Out 6, 1801 6, 1802 1,480 By 18 old Out 6, 1801 6, 1802 1,480 By 18 old Out 6, 1801 6, 1802 1,480 By 18 old Out 6, 1801 6, 1802 1,480 By 18 old Out 6, 1801 6, 1802 1,480 By 18 old Out 6, 1801 6, 1802 1,480 By 18 old Out 6, 1801 6, 1802 1,480 By 18 old Out 6, 1801 6, 1802 1,480 By 18 old Out 6, 1801 6, 1802 1,480 By 18 old Out 6, 1801 6, 1802 1,480 By 18 old Out 6, 1802		isth st		i i				N.F		1801	Blx 1 upr	2,498,10	20.20		
6th et. 10th st. 2 15 old Oct. 15, 180 5, 181 1, 180 1, 180 1, 180 1, 181 1, 18	BVe	Hunter ave	Stron	135 136	0+	- 4		9 :	20		4,740	12,256	24.0	1 1	
St. St.	1	ith st	10th st	135	plo	20.		05	_		1,445	2,481,70	461	2 :	
15th at 15th st 15th		Sth st.	******	116			-	200			1,1162	1,438.70	20 20		
10th st 21st st 2 0 Aug. 9, 1807 5 Aug. 9, 19.2 2,500.00 10th st 2 4 Dec. 31, 1801 5 Dec. 31, 1806 3 0.00 10th st 91th			M					N.			551.70	1,984,70	29 5		on D AD Co
ave fifth st. 21st st. 21st st. 23				or		-61	-	0			2,510.40	9.887	*	t e	Contract
Sth st 1916 Beacon 2 4 Nov. 7, 1891 5 Nov. 7, 1896 279 20th st n line Beacon 15g 14g 4 June 2, 1800 10 June 2, 1910 217	ave		SMth st	- 01	. +	900	-	1.000			3.006	12,912,10	93	Barber	A P Co
29th 8t Hill Pk add, 15g 11g 4 June 2, 1960 10 June 2, 1910			28		+		_		4		279	980.80	19		
	:	Soth st	HIII Pk add,	356	-	lane	2, 1900				217	877.90	2 12	:	
Campbell 29th st 8 line Beacon 114 115 4 Sept. 22, 1807 5 Sept. 22, 1902	1000	Sith st	Hills	11,6 11,6	-		29, 1897	_		1905	215.70	1 507	91.0	::	

Statement of Streets Paved with Asphalt at Close of Fiscal Year Ending April 15, 1901. - Continued.

			Specificatins	at'ns		Maintenance			bı	
Street	From	To	Asphalt inches Bitu, Con. Inches	Hyd. Cem. Con. In's	Accepted	Expires	Lineal Ft.	Square Yds.	Square Yar	Contractor
Campbell Compbell College ave College ave College ave Contral Central Central Central Cypress ave Cypress ave Cypress ave Charlotte Char	sud st. 34th st. 18th st. 18th st. 11th st	Math st Sain st Sai	2222 222222 2 2 2 2 2 2 2 2 2 2 2 2 2		Sept. Ji. 1898 Dec. 24, 1898 Dec. 24, 1898 Dec. 24, 1898 Dec. 24, 1899 Dec. 36, 1899 Dec. 36, 1899 June 22, 1897 June 22, 1899 June 22, 1899 June 22, 1899 June 23, 1899 June 24, 1899 June 24, 1899 June 25, 1899 June 24, 1899 June 24, 1899 June 24, 1899 June 24, 1899 June 24, 1899 June 24, 1899 June 24, 1899 June 24, 1899	5 Sept. 18, 1908 5 Sept. 18, 1908 5 Cot. 24, 1900 5 Nov. 35, 1900 6 Oct. 10, 1900 6 Doc. 31, 1900 5 June 20, 1900 6 June 21, 1900	6.83.20 1.44.9.10 1.20.0 2.130		88213888224482 2528245052222 2000222223380000	00 Barber A F Co 122 133 134 135 135 135 135 135 135 135 135 135 135
	Mill st. Hickory st. Fenn et. Broadway	lith st v 279 ft e of San v 178 ft e st Santor Fe st leffer-on - t. Washington st Brondway	., 22,22	+ 1,0 e a +	हिं केंग्रें	o Aug. 25, 1 o Oct. 20, 1 o July 9, 1 o Drec. 8, 1		1,225,80 4,878,00 5,670 1,067,20 962,40 1,481,30	S 2222	Inther A P Co

Statement of Streets Paved With Asphalt at Close of Fiscal Year Ending April 15, 1901, - Continued.

stor	00 de0 00
Contractor	66. Barber A P Co. 68. Barber B P Co. 68. Barber B P Co. 69. Barber B P Co. 69. Barber B P Co. 69. Barber B P Co. 69. Barber B P Co. 69. Barber B P Co. 69. Barber B P Co. 69. Barber B P Co. 69. Barber B P Co. 69. Barber B P Co. 69. Barber B P P Co. 69. Barber B P P P P P P P P P P P P P P P P P P
Der Square	######################################
Square	4.87.69 1.416.20 1.428.80 6.47.63 1.416.20 1.528.90 1.528.90 1.528.90 1.528.90 1.528.90 1.528.90 1.528.90 1.528.90 1.528.90 1.528.90 1.528.90 1.528.90 1.528.90 1.528.90 1.528.90 1.528.90 1.528.90 1.538
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Naintenance Expires	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Years Male	1865 b Aug 27, 1865 b Aug 27, 1865 b Aug 27, 1866 b Nov. 18, 1867 b Nov. 18, 1867 b Nov. 19, 1867 b Nov. 19, 1867 b Nov. 19, 1867 b Nov. 19, 1867 b Nov. 17, 1867 b Nov. 17, 1867 b Nov. 17, 1867 b Nov. 17, 1867 b Nov. 18, 1867 b Nov. 18, 1867 b Nov. 18, 1867 b Nov. 18, 1867 b Nov. 18, 1867 b Nov. 18, 1867 b Nov. 18, 1867 b Nov. 18, 1867 b Nov. 18, 1867 b Nov. 18, 1867 b Nov. 18, 1867 b Nov. 18, 1867 b Nov. 18, 1867 b Nov. 18, 1867 b Nov. 18, 1867 b Nov. 18, 1868 b Nov. 18, 1
Accepted	Aug. 27, 1866 Aug. 27, 1866 Noo. 12, 1866 Noo. 12, 1866 Noo. 13, 1869 Dec. 20, 1869 Noo. 13, 1869 Noo. 13, 1869 Noo. 13, 1869 Noo. 13, 1869 Noo. 13, 1869 Noo. 13, 1869 Noo. 13, 1869 Noo. 13, 1869 Noo. 13, 1869 Noo. 13, 1869 Noo. 13, 1869 Noo. 13, 1869 Noo. 13, 1869 Noo. 14, 1869 Noo. 15, 1869 Noo. 15, 1869 Noo. 15, 1869 Noo. 15, 1869 Noo. 15, 1869 Noo. 15, 1869 Noo. 15, 1869 Noo. 15, 1869 Noo. 15, 1869 Noo. 15, 1869 Noo. 15, 1869
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Asphalt Cone. 18th. Cone.	mandana a na managana na m
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From	Wyandotte st. Delaware st. Oak st. Oak st. Oak st. Oak st. Oak st. Oak st. Oak st. Oak st. Woodland ave Oilive st. Baltimore ave Rand ave Cherry st. Rand ave Grand ave Grand ave Forest ave Grand ave Forest ave Cherry st. Independ ave It of st. It of st. It of st. It of st. It of st. It of st. It of st. It of st. It st. It of
Street	Eighth Eighth Eighth Eighth Eighth Eighth Eighth Eighth Eighth Eighth Eightenth Eighteenth

Statement of Streets Paved With Asphalt at Close of Fiscal Year Ending April 15, 1901.

			Spee	Specificat'us	DK.		-	Maint	Maintenance	- e			a	
Struet	From	To	ruches	Birn, Cone, Inches dyd, Cem, Con, Inch.		Accepted	1	Years	Expires		Lineal	Square Yards	Cost per Squar	Contractor
Fourteenth Fourteenth	Virginia ave Woodland av Woodland ave Park ave Broadway al e of Centra	Woodland ave	12 22			500	1898 1898 1898	10 Oct. 8 May 5 Nov.	98.0	906	1,307 1,360.60	***	25 cm 25	Barber A P Co Gilsonite R&P Co Barber A P Co
Fifteenth Fifteenth	Grand ave	Grand ave Campbell st Virginia ave		152 old	Nov. Dec.	238	SS 888	5 Dec.	26.69		2,1127 1,574	9,567,10 10,904,59	25 24 24	
Fifteenth	Virginia ave Woodland ave	ave Cleveland ave	222	SE SE SE SE SE SE SE SE SE SE SE SE SE S	c Apr.	200	1900	10 May 10 Apr.	200	0161	0,274.35 2,358	43.805.30		
Forty-fourth	Warwick blvd Oak st.	Ouk st.		44	Dec.	. i.	1800	10 Dec. 5 Mar.	1,6		794.20		0101	11:
Grand ave	Sth st	-		135 4 010 010 010	May	1 in 1	1891	5 May	81.	1896 1899	1,717	12,774.90	23 23 23	:::
Grand ave	20th		101		May		1807	5 May	á		200	4,579	01	Gilsonite R &P Co
Main			13.5	11.6 old			1897	6 Mar. 5 Nov.	10,1	1000	5,986	39,502 30	55 55	Barber A P Co
Garfield ave.	Independave, Independave,		200	196	Aug.	91.	1890	O Aug	ź=:	1000	5,578	1,881,20	01010	Gilsonite R&P Co
Garfield ave.	9th st.		200		Nov.	17:2	1896	5 Nov.	51,0	1061	926	8,449.60	1010	
Garfield ave				13%	June Oet.		800	5 June	900	1061	1,291	3,919,20	200	Gilsonite R &P Co
Guinotte ave. Gladstone ave		H & S add	- 24 co	49+	July	E 22 2	1808	8 July S July	18,	910	4,920 1,189,90 666	11.25%,60 3,468,70 2,405,50	03 103	Gilsonite R & P Co
Hunter ave			2000	200	-		19001	o Dec.	ide	910	900	4,096		Gilsonite R &P Co
Highland ave	ave 6th st	9th st.	- C+ C	200	Dec.	× × ×	1888	5 Dec.	0 00 0	1808	175	2.897,57	282	Barber A P Co
	8th st.	10th st.	722	22	Dec.		1896	5 May	20,00	0061	1,785	5,559.80	200	Barber A P Co

Statement of Streets Paved with Asphalt at Close of Fiscal Year Ending April 15, 1901. - Continued.

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			Specificat'us	1,118		Ma	Maintenance	ace.			0.		
Street	From	To	Asphalt Inches Bitu, Con. Inches	Hyd. Gem.	Accepted	Years	Expires	8	Lineal	Square	Price per Squar	Contractor	
M tgall ave.	Indep, ave	N. li, e. 5th st. Howard ave	115 116	- 6 - 4		10 S	opt. 13, uly 27,	1906	1,459.30 1,739 1,705	4,038,60	222 2000	Gilsonite R&P Barber A P Co	00
May Madison ave.	5th st	6th st. 9th st. 17th st.	115	***	Dec. 4, 1890 Apr. 21, 1900 Oct. 1, 1899	5 TO TO TO TO TO TO TO TO TO TO TO TO TO	er. 9.		887 887 1,471,70	3,608.30 5,041.60	2222		
Madison ave	Uth st.		200	++=	a 35 00	205	1900 10 Oct. 23, 1900 10 Oct. 23, 1899 5 June 3,		1,920	1,534.60	40120	Gilsonite R&P	Co
	Walnut st Highland ave.	Locust st		pio 9	2010	10 10 10 10 10 10 10 10 10 10	oly 12,		25.5	1,942,50	26 25 25	Barber A P Co Gilsonite R&P Barber A P Co	03
uri ave	Maple ave	Garfield ave		Pig of	17.18	DIO IS	Nov. 17.		200	1,848,20 3,596,50 2,864,20	01 03 01	:::	
Main Main Mishigan ave	Alssouri averalls st.	12th st Westport ave.		PNO ON	16.1	10:10:10			9,011 5,715 1,826	8,009 20 23,807 5,518,70	01403		
Mercier pl	2 2 1	Cliff st	772		13, 1808	1010		1903	1,210,90	8,420,10 9,485,10	24.254	111	
MeGee	12th st	19th st 19th st 31st st	135	+55	Aug. 9, 1895 Dec. 31, 1889 July 5, 1900	5000	Aug. 9, Dec. 31, July 5,		8,137 61.9.75	14,021.40 1,677.90	8228	nite	Co
NeGee MeGee	W 16 W	33d st. 40th st.	44.2		Dec. 21, 1899 Dec. 6, 1900	100	Dec. 21, Dec. 6,	1900	0.530 841 841 868	2,204.10 2,018 2,886	20 24 24	Private Contract	et
Norledge pl.		Joo ft, e, of In- diana ave.	77		1 20	. O	ov. 13,		448	1,146.10	518	Barber A P Co	Co
Nineteenth	Gladstone ave	100	136	M.c.	June 25, 1900 Apr. 15, 1889	3000	1900 10 June 25, 1889 5 Apr. 15,	1910	2,367	8,401.90 7,645.68	822	Barber A. P.Co	
Ninth	Oak st.	Forest ave			isis i	200	Sept. 22,		2,833	11,861,30	10005		1

Statement of Streets Paved With Asphalt at Close of Fiscal Year Ending April 15, 1901.—Continued.

			Spec	Specificat'ns	4		X	aintenance	annov.				91		
Street	From	10	saqoul 1 spineli	Bitta.Cone, Inches Hyd. Cem. Con., Inch.		Accepted	RIMAY	Exp	Expires	Lineal	7.	Square	per Squa	Contractor	- 1
Ninth	Broadway	Washington st		2 6 15 m'c	June Oet.		60 100					1,381,10	57 - 58 83	Barber A.P Co	
	Mulberry st	State Line	E.	13.5 c	Dee.	$\overline{}$	010		10, 1910			N,423,80	03.04	Glisonite R & P C	P. Co
Oak.	3rd st	Independ ave	22	**	Nov.	21.	000		21, 1908	378	00	1.431.50	0101	Barber A P Co	-
Oak		15th st	32	++	Aug.		1010		9, 1900			5,482,90		::	
Oak			63	99	Nov.	-					0.1	1.717.60 8.850		Gilsonite R & P	00 -
Offive	bend		21.3	-	MAY	gia		N.M.y				9,178,10	010	G M Fu	
Olive	Belt Ry bridge		377	4	Dec.	191	100 K					12,060.50	1010		
Olive	Olive st.	Prospect ave.	250	159 4	July Sept.	24, 17	00	Sept.	7.0	100		2,004,70	9 09 1	21	
Profty ave.	Prospect ave.,	Bellefontsine.	177	77	June June	15, 19	0 10	90 10 June	15, 1910 20, 1909	1,475		2,400.50	29 00		
Penna ave	sth st	16th st	100	11% old	Sopt.	19, 18	10 0	5 Sept.	10.2		98	11,000,70	210		
Penna ave		8 W blvd	33		Sept.	17.	010	Sept.	E.	1,092		3,344.70	1010	P-Wash'n Co	
Park ave	M. C. C.	Belt Ry bridge	011	2	Sept.	ix's	010	10 Sept.		-	-	2,109,10		Rock Cr	100
Park ave	pend av	19th st.		4	Dec.	89	101					11.00	1081	Barber A.P. Co	
Prospectave.	1	31st at.	77	**	Nov.	5125	010				9	34,021,30			
Pendleton ave	w li Garfield n	e li Garffeld s.	77	**	Aug.			5 Aug.	9, 1900	9019		1,334		11	
AVE	Holly st	Mereler st	17.7	1)2 4	Sopt.	30, 190	010		30, 1910	500		1.386		Drivate Contr	not
Randolph	w Prospect pt.	Garner ave	21	*	June	57	0.10	June	100	_		2 825.70	1 90	Rock Cre-	100
1000	St Louis ave.	Sth st.	01.00	156 5	Nov.	13, 1900 25, 1801	0.0	Nov.	13, 1910 25, 1896	2,00.9		9,314,40	201	Barb	
	Main st.	Lynn's add	22	**	. Doct	400 100	95	10000	0101 00		06.	1,573	2 00		

Statement of Streets Paved with Asphalt at Close of Fiscal Year Ending April 15, 1901.—Continued.

			Specificatins	deat	su,			-	Maintenance	ens	nce				bı	_		
Street	From	To	Asphalt Inches Bitu, Con,	Bitu, Con, Inches Hyd, Cem.	Hyd. Cem.	Acce	Accepted	Years		Expires	89	Lin	Lineal Ft.	Square Yds.	Gost per	0	Contractor	tor
Smart ave	Walrond ave	Indiana ave	21.12	125	-	June Aug.	28, 18	1898	5 June 10 Aug.	e 28,	1908		2,706	1,628	37000	10 Gilso	Gilsonite R&P G	&P C
	Main st.	Broadway	CC.	257	000		4.00	288	Oct.	101			388	6.063.50 6.063.50 14.168.90	15 26 01	2 2	::	
S. W. blvd	Belt Line b'ge	State Line	12	50			16.14	00 100	Jun	000			089	26,921,70	0		: :	
Sixth	McGee st.	Holmes st.	300	propr	. 4	Oet.	1000	86	Oet.	123			80.50	4,158.50	2 24 2		3 3	
Sixth	Prospect ave	Gladstone ave	225	201.00	**		460	000	Aug	184	-		250	4,753.70	101	3 .	=	- 3
: :	Gladstone ave Delaware st	Benton blvd	04 01	100	200			95 5	AUE	27			13.64	4.917.80	20.00	Bart	er A P	Co.C
**	Walnut st	Grand ave	01-	100	124		-	98	Aug.	9.5			14	1,218,40	010		3 3	
	Prospect ave	Walrond ave.	E	Pt :	**			891 9	fan.	88	200		17	7.910.40	101	. 0	5	
	Walrond ave	E. line Trost's	13/2	75	4	Oct.		2 9681	Oet.	20.	_		25		01	10	33	
	Summit st.	W. Prospect pl	570	-	00			200	Dec.	20 00	-		58.50		23 01	n Gilso	ofre R	S. C.
Sixteenth	Broadway	Summit st	135	129	9	July	29, 18	200	5 July	186	1902		8	4,416	1010	10 Barbe	r A P	Co.
	Onk st	Locustst		23				98	Oet.	6	253		74.50		1 23	100		
	Grand ave	Oak st.	700	000	PIO			808	Oet	00	-		16.60		010		# I	
	Summit st	Madison ave	113	25			_	900 10	Jan	10	253		220		0 25		4	
	Madison ave	Belleview ave	135	100			_	900 10	Jul.	000			22.0			3 3	: :	
	W. Prospect pl 1	Prospect pl Holly st	200	320	M'c J	July		006	10 July				12				3	
	Valentine R'd	88th st	Y	. 2	: 4			1 66	Sep	13			1,204		.04	2 Barbe	r A P	Co.
Tracy ave	6th st	9th st	135	200			19, 18	808	1898 5 Oct.	19,	, 1908		71.40		010	07	-	
Tracy ave	12th st	15th st	200	207	**	Nov		860	Nor	e 15			16.80		25 01		4	
Tracy ave	loth st	17th st	136	11.2	PI			200	Dec	06			98		121	0	11	
Tracy ave	18th st	28th st	13.51	1991	7	Feb		I OU	0 Feb	-	. 1910		10		0)	17	310	

Statement of Streets Paved with Asphalt at Close of Fiscal Year Ending April 15, 1901 - Centinued.

Street From Tracy ave 31st st Tracy ave 6th st Troost ave 6th st Troost ave 6th st Troost ave 19th st Troost ave 19th st Troost ave 19th st Troost ave 28th st Troost ave 28th st Troost ave 31st st st st st st st st st st st st st s	To	tions		1		-	W.J.	
		Asphart Inches Brue Con- Inches Hyd. Gen Uon, In'e	Accepted	Expires Expires	Feet.	Square	Square	Contractor
	Rod st.	25. 25. 6		10 June 26, 1 5 Oct. 5, 1		1,814.20	82	Rock Creek NA Co
000000000000000000000000000000000000000		134 135 4	of 1	8 June 2, 1	900 168,40 500 276	0,477.30	2123	Gilsonite R& P Co
2000000	-	PIO 561 541		5 Dec. 29,		9,000		
00000	ine b'go	B v Brk 6	製剤	6 Dec. 23, 6 Jan. 25,	1902 475	-		
8 8 8	3	44	1.0	5 Feb. 5.	900 3,844			: :
9		15 15 OM	-	5 Dee.	500 665	10 10 10 10 10 10 10 10 10 10 10 10 10 1	12 12 12	::
	Sth st	I I I N I	+:	10 Oct. 4, 1	910 8,219	14.649.70 2	22	::
	Broadway	0	2	5 Nov. 19.		1,625	02	::
	Ohve st.	20 100		5 May 31.		15,207 10	32	
	Prospect ave.	4 Car 21	24.	5 Sept. 24,	1808 1.384	2,405,08	2 32	::
	. Woodland ave	pio si si	18	50et. 25,		5,588.00	120	. :
	Cleveland ave	152 122 Old	-	6 Nov. 29. 1				*:
qu	Baltimore ave	200	e a	5 Dec.	990 103 910 1.65×	5,759,40	200	
!!	e Kuelid ave	100	18	6 Nov. 29, 1	903 500.30			
P	. Prospect ave	**		9	27.1	5,430,30	20.20	
Twenty-third, Olive at	Prospectave.	10	20.	7 June 20, 1	-	1,908,40	017	Gilsonite R & P C
8	. Palrmount av.	951	10,	10,1		8,646.54	201	Barner A P. Co.
(grook)	Prospectave.	100	11	10 May 31. 1	_	8,554 60 2	12	
Twenty-sev'th Treast ave.	Tracy ave	200	Nay 21, 18	20 5 May 21, 1	804 218	1.253.10	22	
4031	Troust ave	152 156 4		5 Sept.	902 1,768.50	5,533.10	51.5	Citizonite R &P Co

Statement of Streets Paved with Asphalt at Close of Fiscal Year Ending April 15, 1901.-Continued.

Contractor	Barber Asp. P. Co Gilsonte R. & P. Co Barber Asp. P. Co Private Contract Barber Asp. P. Co Private Contract
Der Square Yard	228 8222 822222 221 22 22 222222222 222 222 222 22
Square	735.00 \$4 (99) 11,000 \$3,473 \$6,801.80 \$
Lineal	288 2465 10 00 10
Maintenance	6 Dec. 16, 1909 5 Oct. 6, 1909 10 Nov. 30, 1910 10 Nov. 30, 1910 10 Nov. 30, 1910 10 Nov. 30, 1910 10 Nov. 30, 1910 10 Nov. 30, 1910 10 July 5, 1903 5 April 20, 1903 5 April 20, 1903 5 April 20, 1903 6 Nov. 2, 1909 5 June 21, 1904 6 Sept. 27, 1909 5 June 21, 1904 6 Sept. 27, 1909 6 Sept. 27, 1909 6 Sept. 27, 1909 6 Sept. 27, 1909 6 Sept. 27, 1909 6 Sept. 27, 1909 6 Sept. 27, 1909
Accepted	Dec. 16, 1899 10 Dec. 76, 1898 5 Oct. 76, 1899 10 Dec. 76, 1899 10 Dec. 76, 1899 10 Dec. 76, 1899 10 Dec. 76, 1899 10 Dec. 76, 1899 10 Dec. 76, 1899 10 Nov. 30, 1899 10 Nov. 31, 1899 10 Nov. 31, 1899 10 Sept. 31, 1899 10 Sept. 31, 1899 10 Sept. 31, 1899 5 Sept. 31, 1899 10 Sept. 31, 1899 5 Sept
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Asphalt Speed Inches In	### #### ## ##########################
S Handes A sound	Troost ave. Holmes st. Alley east of Locust st. Locust st. Troost ave. Forest ave. Rodald also, & Dudley's add Wyandotte st. Roman st
From	Main st. Cherry st. Oak st. Cherry st. Charlotte st. Troost ave. Rain st. Bradava, Main st. Holmes st. Holmes st. Holmes st. Holmes st. Randolph st. Woodland ave Gladstone bly Sth st. Main st.
Street	Thirtieth Thiry-first Thiry-second Thiry-second Thiry-third Thiry-third Thiry-third Thiry-third Thiry-third Thiry-sixth Thiry-

	Contractor	Barber A P Co	
93	Cost per Squared	是然是是是是这些是就是是是是是是是是是是是是是 \$P\$ \$P\$ \$P\$ \$P\$ \$P\$ \$P\$ \$P\$ \$P\$ \$P\$ \$P\$	
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	Lineal	1,455 1,455 1,455 1,455 1,455 1,455 1,450 1,450 1,450 1,450 1,441	244 100 300
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	Accepted	Aug. 9, 1805 B. Substitute B.	
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TWELFTH ANNUAL REPORT

OF THE

SUPERINTENDENT OF STREETS

For the Fiscal Year Ending April 17, 1901.

To the Honorable Board of Public Works, Kansas City, Mo.

Gentleven:—I herewith submit to you a report of the operations of the Street Department for the year ending April 17, 1901, showing by tabulated statements how and for what purposes the funds apportioned to the Department have been used.

Respectfully yours,
T. J. PENDERGAST,
Superintendent of Streets.

SUMMARY.

Pay Rolls and Accounts for Fiscal Year Ending April 17, 1901.

· - ·	_	-· ·- ·-	
Months 1900	Pay Rolls	Bills Paid	Totals
April 16th to 30th	S 2.045 85	\$ 196 24	\$ 2,242 09
May	5.523 16	901 15	6,424 31
June		1 634 13	9.444-69
July		681 89	8,077 10
August	8,000-69	712 61	8,713 29
September	7.571 96	557 50	8.129 46
October	6.764 22	1 550 75	8.314 97
November	5,909 92	701 75	6.611 67
December		706-90	6.918 78
January, 1901	. 21	356 94	3,529 05
February	4.567 85	522 80	5,090 65
March		147 56	4,298 62
April 1st to 17th		413 52	3,366 66
·	-		-
Totals	\$ 72.077 60	\$ 9,083 74	\$ 81,161 34

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 - -	Bijjs	2001 2002 2002 2002 2002 2002 2002 2002	
ii 17, 190	Todad	2004 4 4 4 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5	10.4:0
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Year En	Foremen	等の の の の の の の の の の の の の の	4
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Depart	Хизопя		£
d Alleya	stotestati		G
eets an	**************************************	•	1 . T. S. C.
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Pay Rolls of Streets and Alleys Department for Fiscal Year Ending April 17, 1901	Мопthя 1900	April 16th to 30th May. June July August August Retcher Retcher Retcher Retcher Retcher Retcher Retcher Retcher Retcher April 1 to 17th	

Miscellaneous Expense,

1	22222222222	
	\$ 196 1,634 1,634 1,550 1,500	\$9,088 7
Repairing Streets, Ba bet Asp,	98	\$85 41
Eleventh and Troost	8 12 8 13 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	\$129 97
ощо	8 0 8 0 1 2 14 1 1	\$72 85
Sprinkling Bluff st and Around City Hall	822 2 2 2 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4	\$430 00
Horse Hire	7888888888884 **	\$359 50
sloof way	2011 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	\$301 01
Brooms	8 10 00 1	\$2,567 00
Repairing Tools, etc.	** 128 228 228 228 228 228 228 228 228 238 23	\$972 58
Material Parchased	25.25.25.25.25.25.25.25.25.25.25.25.25.2	\$2,956 08
Maintenance of Horses, etc'	**************************************	\$921 59
Horses Purchased	\$250 000 7 7 75	\$257 75
Months 1900	April 16th to 36th May Inne Inny August August September October Inne Inne Inne Inne Inne Inne Inne In	

	elaloT	2,243, 29, 24, 29, 24, 29, 24, 29, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24	\$ 82.261 34
; 5	Bijja	# 28	\$ 9,083 74
ii 17, 190	*roda.I	2005 2005 2005 2005 2005 2005 2005 2005	+0,457 61
of Streets and Alleys Department for Fiscal Year Ending April IV	รแลงโ	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	\$ 20,231 29 \$
Year Ei	Foremen	8252511252528 8252511252525 82585252525 85885853	\$ 4,4% 37
r Fiscal	Pavers	# 1888 \$ 48 18 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	* 548 01
nent lo	erpinoqraO	8 2489222 82 82 82 82 82 82 82 82 82 82 82 82	\$ 816.50
Depart	Masons	888228282324 888228282 88888888888888888	\$ 1,018 50
Alleys	Inspectors	**************************************	\$ 1,797 50
ets and	Сјетка	# # # # # # # # # # # # # # # # # # #	\$ 1.134 60
of offi	-bustaintsqu8	**************************************	\$ 1,997 13
Pay Kolls	Months 1900	April 16th to 33th May June June July August Getober November Jenusty 1801 Rebruary March April 1st to 17th	Totals

Miscellaneous Expense.

	222222222222	1 =
	# 196 9 1,691 1 1,681 8 1712 8 1712 8 1712 1 1714 9 186 9 186 9 187 8 187	89,083 74
Repairing Streets, Ba ber Asp.	9 8	\$85 ±1
Eleventh and Troost	# 22 88 82 88 88 88 88 88 88 88 88 88 88	76 0218
ощо	1 20 22	\$13 S
Sprinkling Bluff st and Around City Hall	# 22 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	\$450 00
Horse Hire	288888888888 288888888888	\$359 50
sloof wav	897= 49874894 5288488889	S101 01
Brooms	25.00 25.00 27.00	\$2,567 00
Repairing Tools, etc.	# 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	\$972.18
Material Purchased	200 200 200 200 200 200 200 200 200 200	\$2,056.08
Maintenance of Horses, etc.	######################################	8921 59
Horsed Dosadourd	00 St.	\$25 728
Months 1900	May mine meth day mine mine mine mine mine mine mine mine	

Work Distributed on Streets During Fiscal Year Ending April 17, 1901.

	Totals	\$ 2,000 to \$ 2,000 to	
8	Employees	252 % % 253	
nneous	Labor	86 138 86 138 86 138 86 138 86 138 86 138 86 25 25 25 25 25 25 25 25 25 25 25 25 25	
Miscellaneous	Isitetisl	20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
gan	Labor	72 84 61 75 89 61 16 88 126 88 85 85 85 85 85 85 85 85 85 85 85 85	
Bridges	Material	20 01 55 51 01 15 52 51 10 15 52 51 10 15 52 51 10 15 52 51 10 15 51 51 51 51 51 51 51 51 51 51 51 51	
Side-	Labor	26 26 88 89 00 02 88 89 00 02 137 08 89 00 02 137 08 00 02 137 08 00 00 00 00 00 00 00 00 00 00 00 00	
valks	Labor	\$ 50 02 196 19 196 62 154 15 192 49 192 49	
Grosswalks	Material	6 8 8 8 7 12 8 12 8 8 8 12 8 8 8 12 8 12	
ance	Labor	2012 2003 2003 2010 2010 2010 2010 2010	
Maintenance	Initotald	8 12 13 18 18 18 18 18 18 18 18 18 18	
Sewer	Flushing	173 51 178 51 178 51 176 77 176 77 166 73 176 00 170 00 17	-
epairs	Macadam	18 \$ 20 27 \$ 73 61 \$ 63 143 00 174 82 174 27 448 77 156 11 18 20 475 176 70 18 20 8 44 166 12 65 60 20 8 44 166 12 65 60 20 8 44 166 12 65 60 20 8 44 166 12 65 60 20 8 44 166 12 65 60 20 8 44 166 12 65 60 20 8 44 166 12 65 60 20 8 44 166 12 65 60 60 60 60 60 60 65 60 60 60 60 60 60 60 60 60 60 60 60 60	
Street Repairs	Dire	o 12 22 23 23 24 27 28 28 28 28 28 28 28 28 28 28 28 28 28	
32	Horse Sweepers	8817 30 817 30 817 30 818 02 818 02 818 02 818 03 818 03 818 04 818	
treet Cleaning	-Anings Anif	36 38 213 01 193 29 107 88 107 88 107 88 108 50 108	
	Flushing	203 14 205 18 205 14 205 14 117 20	
20	Labor	\$1188 67 208 72 728 30 4296 72 729 30 688 53 278 90 688 53 30 4470 85 856 94 8812 30 1176 682 50 8812 30 117 66 8812 30 117 60	0
Am't.	or Bills Less Mater- ial Used	8 112 15 2082 63 87 72 88 80 150 1108 67 27 80 100 100 100 100 100 100 100 100 100	
	Month 1900	April 16-30 \$ 112 15 21882 53 June \$126 30 15 226 30 15 226 30 15 22 30 10 15 22 30 10 15 22 20 22 22 22 22 22 22 22 22 22 22 22	-

TOTAL I CLIMITS	TOT DON'S		Excavations from April 10, 1900, to April 17, 1901.		र ब	10,	3	ر 5		201.
	Wa By Plu	Water Plumbers	Sy Plumbers		GAS K.C., Mo., G.Co	G.Co	ħ	. .	+ noa	
Months 1900	Repairs	9917198	Prints.	99171 98	ntaM	รวโรกษ	भण्य	awdu8	unliosiK	Totale
April 16th to 30th	윉	3	93	ē	**	7.	ភិ		:	Z.
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January, 1901.	71	₹.	A	Ę	• • •	ŧ	12	r. 2 1	A 71	į
February	£	3	ļ;	2		£	31	101		į.
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April 1st to 17th	\$	7	2	;;	-	â	ın	-	•	;
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Totals	1.163	GPT.	14:	3	5	1.218	<u> </u>	ត	น	5.37

TWELFTH ANNUAL REPORT

OF THE

SUPERINTENDENT OF BUILDINGS

For the Fiscal Year Ending April 15, 1901.

Kansas City, Mo., April 15, 1901.

To the Honorable Board of Public Works, Kansas City, Mo.

Gentlemen:—It is my pleasure to present you herewith the annual report of the operations of the Department of Buildings for the fiscal year beginning at noon, April 16, 1900, and ending at noon, April 15, 1901.

Respectfully submitted,

M. McTIERNAN,

Superintendent of Buildings.

Building Permits Issued, by Months.

APRIL 16, NOON, TO APRIL 30, 1900.

Permits	Kind of Buildings	Front Feet	Estimated Cost		Fe	èés
16	Brick residences	495	\$ 110,800 no	1	55	65
1	Brick barn	75 70	5,000 00			50
1	Brick machine shop	70	14,000 00			00
1	Brick foundry	50	6,000 00			00
1	Brick dental college	48	10,000 00			00
50	Frame residences	1.188	88.900 00			60
1	Frame theater	100	5,000 00		2	50
1	Frame baras	20	1,500 00			75
100	Frame business	99	400 00			200
139	Miscellaneous	44544	27,980 00		11	50
212	Total for month	2.013	\$ 264,580 00	8	192	110

MONTH OF MAY, 1900.

Permits	Kind of Buildings	Front Peet	Estimated Cost	F	ces
32	Brick residences	807	\$ 129,600 00		80
2	Brick barns.	178	35,000 00 2,500 00	17	50
7	Brick business	246	27,700.00	18	85
75 5	Frame residences	1,627	97,000 00		75
4	Frame business	186	8,600 90 4,909 00		70
234	Miscellaneous		58,000 00		50
350	Total for month	8,181	\$ 359,230 00	\$ 281	85

MONTH OF JUNE, 1900,

Permits	Kind of Buildings	Front Feet	Estimated Cost.	F	ees
27	Brick residences	849	\$ 105,100 00		00
9	Brick business	207	122,650.00		75
1	Brick school	66	12,000 00		00
1	Brick barn	100	4.500.00		25
i	Brick theatre	71	40,000 00		Oct
1	Brick apartment house	98	32,000 00	16	:00
77	Frame residences	1,600	94,500 00		40
4	Frame barns	102	5,020 00	- 3	25
213	Frame business	48	2,600 00 80.230 00	127	30
-10	Miscellaneous.	111111	80,230 00	121	100
333	Total for month	8.176	8 547,800 00	\$ 366	85

MONTH OF JULY, 1900.

Permits	Kind of Buildings	Front Feet	Estimated Cost	20	ees
17	Brick residences	740	\$ 158,000 00	\$ 78	25
8	Brick barns	218	17,500 00		70
i	Brick business	316	101,500 00 6.300 00		50
82	Frame buildings	1,707	112,050 00		25
231	Frame schools	128	6,000 00		00
401	Miscellaneous	1444,54	80,710 00	127	10
344	Total for month	. 3.149	8 482,000 00	332	65

102 ANNUAL REPORT OF THE BOARD OF PUBLIC WORKS.

MONTH OF AUGUST, 1900.

Permits	Kind of Buildings	Front Feet	Estimated Cost		Fe	es
15	Brick residences	448	\$ 87,000 00	3	43	50
2	Brick barns	69	3,100 00	-		75
1	Brick livery stable	60	4,500 00		2	25
1	Brick college	36	7,000 00		3	50
1	Brick home for aged		7,000 00			50
1	Brick box factory business	50	2,500 00			25
2	Brick warehouses	24	3,300 00			65
10	Brick business	344	57 600 00		29	
86	Frame residences	1,864	123,800 00		65	
1	Frame business	16	500 00			50
226	Miscellaneous	*****	66,720 00	1	25	65
346	Total for month	3,093	\$ 863,020 00	3 9	178	40

MONTH OF SEPTEMBER, 1900.

Permits	Kind of Buildings	Front Feet	Estimated Cost	Fees
ĩ	Brick business	46	\$ 20,507 00 10 000 00	\$ 15 50 5 00
31 81	Brick blacksmith shop	1,057	2,000 00 159,800 00 186,750 00	1 00 79 65 71 45
1 8	Frame factory	50 78	2.000 00 2,700 00	1 00 2 00
196	Miscellaneous	miner	49,000 00	102 85
321	Total for month	3,403	\$ 392,840 00	\$ 279 45

MONTH OF OCTOBER, 1900.

Permits	Kind of Buildings	Front Feet	Estimated Cost	Fees
9	Brick business	493	\$ 59,100 00	\$ 81 45
4	Brick barns	219	15,950 00	8 25
1	Brick blacksmith shop	25	500.00	50
1	Brick fire engine house		3,000 00	1 50
28	Brick residences	775	163,500 00	80 05
108	Frame residences	2,393	156.850 60	84 85
1	Frame business	16	800 00	50
3	Frame schools	133	3,500 00	1 70
248	Miscellaneous		50,810 00	135 00
398	Total for month	1.078	\$ 452,510 00	3 343 80

MONTH OF NOVEMBER, 1900.

Permits	Kind of Buildings	Front Feet	Estimated Cost	Fee	20
Lermins					
7	Brick business	313	\$ 36,200 00	\$ 18 2	25
1	Brick warehouse	25	7,600 00	8 8	40
1	Brick blacksmith shop	80	8,000 00	4 0	100
2	Brick barns	100	9,000 03	4.5	
1	Brick laundry	195	27,000 00	13 5	
1	Brick power house (engine)	75	10,000 00	5.0	
21	Brick residences		96,200 00	48 4	
24 57	Frame residences		89.500 00	46.5	
181	Miscellaneous	1	34.425 00	96 7	
975	Total for month	2.752	\$ 317.925.00	\$ 940.5	-

MONTH OF DECEMBER, 1900.

Permits	Kind of Buildings	Front Feet	Estimated Cost		Fe	es
14	Brick residence		\$ 56,700 00	8	28	
4	Brick business	124	10.000 00 3.000 00			50
8t	Frame residences	1,870	120,700 00	9	64	
1	Frame barn	16	450 00 600 00			50 50
146	Miscellaneous		47,260 00		90	
248	Total for month	2,505	\$ 288,710 00	\$1	90	35

MONTH OF JANUARY, 1901.

Permits		Front Feet	Estimated Cost		Fe	es
18	Brick residences	360	\$ 40,200 00 7,500 00	\$		10
68	Frame residences	1,585	99,300 00			50 75
157	Frame barns	46	2 000 00 27,340 00		1	00 65
242	Total for month	2.235	\$ 193,840 00	8.1	169	75

MONTH OF FEBRUARY, 1901.

Permits	Kind of Buildings	Front Feet	Estimated Cost	Fees
11	Brick residences	377	8 71,500 00	\$ 26.00
5.	Brick business	415	285 200 00	117 65
1	Brick factory	- 96	5,000 00	2 70
71	Frame residences	1,617	118.900 00	61 00
1	Frame freight house	48	50,000 00	25 00
1	Frame warehouse	10	5 000 00	2 50
3	Frame harns	- 54	3,750 00	2 25
100	Miscellaneous	Others	24,080 00	54 50
193	Total for month	2.677	\$ 513,433 00	\$ 301 10

MONTH OF MARCH, 1901.

Permits	Kind of Buildings	Front Feet	Estimated Cost	Fees
18	Brick residences	120	\$ 115,700 to	8 56 65
2	Brick business	270	84,000 00	42 00
1	Brick public bath.	70	11,000 00	5 50
1	Brick warehouse	60	20,000.00	10 00
1	Brick engine house	50	25,000 00	12.50
1	Brick stock brew house	42	50,000 00	25 00
1	Brick dairy	48	9,000 00	4.50
3	Brick Daris,	543	7,000 00	3 50
158	Frame residences	3,457	266,600 00	136.80
3	Frame business	N4	4,000.00	2 00
1	Frame warehouse	60	1.500 00	75
2	Frame barns	40	1,800 00	1 00
245	Miscellaneous	177777	95,140 00	139.85
487	Total for month	4.021	\$ 652,510 00	# 440 35

APRIL 1ST TO NOON, APRIL 15, 1901.

Permits	Kind of Buildings	Front Feet	Estimated Cost		Fe	es
22	Brick residences	508	\$ 95,500 00	*	48	70
3	Brick business	114	14,600 00			00
1	Brick barn	100	2,000 00		1.	00
1	Brick laundry	21	3,000 00		1	50
55	Frame residences	1.180	94,350 00 3,800 00			00
7	Frame business	41	800 00		-	50
Î	Frame born	20	200 00			ŽÚ.
97	Miscellaneous		30,470 00		34	25
181	Total for month	2,061	\$ 244,420 00	8	164	45

Summary and Comparison of Building Permits Issued, by Months.

	No. of Permits	ermits	Front Feet	Feet	Estimated	ed Cost	<u>~</u>	Fees
Months 1900	00',51 fingA of 00',01 fingA	00'.81 litqA o1 10'.81 litqA	68',71 lirgA of 09',81 lirgA	00'.81 litq A 01 10'.81 linq A	April 17, 1889 to April 16, 1900	April 16, 1900 to April 15, 1901	99',71 H1q A: 01 09',81 H1q A;	09'.51 lirq A of 10',51 lirq A
April 16th, noon, to April 30th	ş	71	1.754	2.013	8 93K 270 00	\$ 264.580 00		- 8
Vav	Ę	e.	3.762	3,131	00 025 853	859.280 00		ž
Jung.		H.	3,735	3,176	36. 36.	547.400 (0)		ž
July	878	***	3.625	×.140	671.570 00	00 090 797		21 22
August	948	9H:	3.270	3,043	358,840 00	963,020 00		20,5
Neutember	352	23.	 13.	3,413	895,400,00	362,840 00		627
October	Ş	888	1.090	£10.4	327.170 00	452.510 00		843
November	503	ij	1. £	2,752	286.530 00	817.925 00		200
December	5 FT	8	1,646	2.505	211.210 00	288.710 (10		8
January, 1901	ž	242	1.48	2,235	191.580 00	198,840 00		25
February	3	35	3007	2.677	131.150 00	513,430,00		98
March	310	13.7	3.143	1.00	814.100.00	652.540 Oc		9
April 1st to noon, April 15th	¥	181	1,490	2,061	218,300 00	244,450 00	157 75	2
!			1		-			!
Totala	8.604	3.880	80.194	30,194	\$ 4.205.820 00 \$	\$ 5.022.955 00	8 3 903 95 18 3 582	8 3.582

Classified Summary of Brick Buildings, April 16, 1900, to April 15, 1901.

Permits.	Kind of Buildings	Front Feet	Estimated Cost		Fe	es
264	Residences	8,872	\$ 1,420,000 00		709	80
72	Business	8,556	796,650 00	-	402	45
72 19	Barns	1,035	99,050 00		50	00
- 4	Warehouses	159	30,900 00		15	45
1	Church Landerson Church Church Church	46	10,000 00		5	00
3	Engine houses	150	38,000 00		19	00
1	Public bath house	70	11,000 00		5	50
-1	Brewery stock house	12	50,000 00		25	00
1	Dairy	48	9,000 00		4	50
2	Schools	106	18,300 00		- 9	15
-1	Machine shop	70	14,000 00		7	00
-1	Foundry	30	6,000 60			00
1	Dental college	18	10,000 00		- 5	00
- 11	Laundries	267	32,500 00		16	25
1 .	Hospital	36	40,000.00		-	90
1	Theater	71	40,000 00		20	00
1	Livery stable	60	4,500 00		2	25
1	College	36	7,000 00			50
1	Home for Aged Women		7,000 00			50
-3	Blacksmith shops	158	10,500 00		B	50
1982	Totals	14,407	\$ 2,654,400 00	\$ 1.	331	85

Classified Summary of Frame Buildings, April 16, 1900, to April 15, 1901,

Permits	Kind of Buildings	Front Feet	Estimated Cost	Fees
1046 18 19 4 7	Residences Business Barus Warehouses Schools Foundry	448 464 224 261	\$ 1,001,370 00 21,200 00 18,220 00 64,600 90 9,500 00 800 00	\$ 850 05 12 50 11 75 82 60 4 70 50
1095	Totals	24,787	\$ 1,715,650 00	\$ 912 00

General Summary for Year Ending April 15, 1901.

Permits	Kind of Buildings	Front Feet	Estimated Cost	Fees
382 1095 2403	Briek	24,787	\$ 2,654,400 00 1,715,690 00 652,865 00	\$ 1,331 85 912 00 1,338 15
3880	Totals	39,194	8 3,022,955 90	8 3,582 00

Summary and Comparison of Miscellaneous Permits Issued, by Months.

		April 17,'96	April 17, '99 to April 16, '90 April 16. '00 to April 15, '01	April 16. '04	Date 15, '01
Months 1980	Fees	No of Permits	Estimated Cost	No of Permits	Estimated Cost
April 16th to 30th	12.		\$52.670 00	1	
May	2:1	ž	83,920 00	ā	58.930 (0)
June	8		00 080°C		
July	127		103.570 00		
August	135 6		133,310 00		00 07:30 00
September	102 85		106,500 00		00 060 64
October	35.9		112,570 00		50,310 00
November	8		65.730 00		81,425 00
December	3		35,610 00		15, 170 00
January, 1901	3		41.280 00		00 OKX:98
February			48,550 (N)		24.0%
March		181	43.300 00		59,140 00
April 1st to 15th	54 25	=======================================	81,000 00		30,470 00
	-,-				
	\$1,838 15 2,498	-,48 -	90 000 WH	 E	\$652,54K 00

List of Official Notices of Various Kinds Served. Kind of orders given. No. I nsafe buildings condemned and ordered torn down. Unsafe buildings condemned and put in safe condition. Unsafe porches ordered repaired and put in safe condition. Unsafe porches ordered repaired. Unsafe porches ordered repaired. Unsafe porches ordered repaired. Unsafe porches ordered repaired. Unsafe porches ordered repaired and put in safe condition. Steps ordered repaired and put in safe condition. Unsafe porches ordered repaired and put in safe condition. Unsafe condition. Unsafe porches ordered repaired and put in safe condition. Unsafe condition. Unsafe porches ordered to unit higher. Unsafe porches ordered connected with sewer. Unsafe porches ordered connected with sewer. Unsafe porches ordered placed on buildings. Unsafe privies ordered placed on buildings. Unsafe privies ordered repaired. Unsafe privies ordered repaired. Unsafe privies ordered repaired. Unsafe privies ordered repaired. Unsafe privies ordered repaired. Unsafe privies ordered repaired. Unsafe privies ordered repaired. Unsafe privies ordered repaired. Unsafe privies ordered repaired. Unsafe privies ordered repaired. Unsafe privies ordered repaired. Unsafe privies ordered from curb line. Unimpress ordered built from the groundup. Unsafe condition ordered built from the groundup. Unsafe condition ordered built from the groundup. Unsafe celiar steps ordered removed from small building. Unsafe celiar steps ordered removed from small building. Unsafe celiar steps ordered torn down. Unsafe celiar steps ordered torn down. Unsafe celiar steps ordered torn down. Unsafe celiar steps ordered torn down. Unsafe celiar steps ordered torn down. Unsafe celiar steps ordered torn down. Unsafe celiar steps ordered torn down. Unsafe celiar steps ordered torn down. Unsafe celiar steps ordered torn down. Unsafe celiar steps ordered torn down. Unsafe celiar steps ordered ordered over the over the over the over the over the over the over the over the over the over the over the over the over the over the over the over the over the over Kind of orders given. No. Pay Roll of the Department for the Year Ending April 15, 1901. Receipts for Money Deposited with Treasurer. April 20-1000 \$ 130 15 | August 18..... 130 15 | August 18. 61 85 | August 25 | August 26. 84 10 | August 31. 63 85 | September 8. 87 70 | September 15. 96 70 | September 22. 110 20 | September 20. 189 95 | October 2. 96 70 | October 12. 29 00 | October 19. 80 35 | October 39. 130 75 | November 10. 38 76 | November 20. 38 77 | November 20. April 20-1600 8 April 30 ... May 14 ... May 14 ... May 31 ... June 2 ... June 20 ... June 30 ... July 17 ... July 18 ... July 21 ... July 21 ... July 21 ... July 21 ... July 21 ... August 4 ... August 11 ... 61 85 84 10 63 85 87 F0 96 70 110 20 122.00 89 55 130 75 83 35 38 70 Total \$3,582 09 27 25

FOURTH ANNUAL REPORT

OF THE

SUPERINTENDENT

OF THE

WATER DEPARTMENT

For the Fiscal Year Ending April 15, 1901.

Kansas City, Mo., April 15, 1901.

To the Honorable Board of Public Works, Kansas City, Mo.

GENTLEMEN:—I herewith submit to you the annual report of the operations of the Water Department for the fiscal year ending April 15, 1901.

Respectfully,

D. W. LONGWELL,
Superintendent.

Statement of Receipts and Expenditures of Water Department From April 16, 1900, to April 15, 1901.

	盆	Expenditures	Receipts
Balance on Hand April 16th, 1900 Receipts Fiscal Year 1900 1901			\$125,925 67 428,209 78
Operating Departments		\$137,255 (19	
Assessor and Collector	537.313 62	13,651	
:	62,447 67	99,761 29	
nterest		137,790 00	
Balance on Hand April 15th, 1901	:	165,697 44	į
		\$554,135 45	\$554,135 45

Expenditures of the Water Department During Fiscal Year Ending April 15, 1901.

Rehates and Refunds					311									14 85
Appro-	\$ 549 15 7,859 84 8,409 59	2,878 100 1,508 81		1,680 00 7,617 89 9,297 89	1,970 00 206 90 2,182 90	1,591 10 8,388 54 8,359 68	2,082 G1 8,469 G1	1,181 50		1,614 00 158 70 1,767 70		8,085 77 8,912 77 21,912		\$ 16,160 10 46,287 67 62,447 67
Barn			180 00 187 13 867 13								237 06 417 06			3,186 81 5,837 33
Con- truction	955 288 288 288	294	0110	317 315 315		845 00 48 08 898 08	-			455 60 23 79 479 39		197 05 175 06 472 05		5,483 19 9,724 29
Assessor and Colletor	56 70 56 70 184 49	916 86 24 60 941 26	894 16 274 65 1,168 81	88-1-88-1-88-1-88-1-88-1-88-1-88-1-88-	F81 66 400 10 1,281 76	916 06 158 45 1,075 11	916 65 235 00 1,151 66	916 66 352 62 1,265 28			1,004 16 232 15 1,26 15	000000000	458 88 88 45 496 78	2,719 76
Miscel-			75 00 84 76 109 76								75 90 16 80 91 00			7,635 20 8,538 28
Quin- daro	-	1,150 29	1,206 89 1,206 20 2,247 09	1,284 81 1,983 44 8,268 25	1,284 19 1,487 79 2,620 98	1,050 us 2,363 72 3,495 75	1,050 04 1,467 51 2,526 55	1.207 23 1.775 76 2,982 99			947 68 902 14 1,849 82	960 (6 1,064 89 2,024 85	1,345 48 1,910 48	10,053 46
Turkey	805 98 9 911 85 1.747 88	-	1,691 79 1,578 73 3,270 52		1,749 45 1,354 48 3,108 98	1,751 50 1,505 91 8,257 50	1,719 97 1,879 24 3,629 21	1,681 54 1,298 28 2,977 82			1,671 94 1,730 91 8,402 85	1,738 48 1,406 51 8,189 99	970 78 822 00 1,792 73	19,707 27 19,157 28 80,804 50
Better- ment			531 29 1,336 39 1,847 68	100 mm	***	1,962 46 4,578 87 6,541 88	2,514 19 5,000 15 8,174 84	2,034 34 8,025 82			483 11 685 66 1,118 80			25,897 49 87,818 62
Meter Dept.			466 60 81 64 498 24											677 42 7.808 75
In- spection Dept.	45 94 526 01		1,005 07 00 00 1,065 16	1,047 52				1,081 19 80 59 1,161 78		1,200 86 51 76 1,361 12				18.126 68 8 918 51 14.045 19
Street Dept.			695 27 48 64 748 91		823 69 810 20 833 85		967 34 128 16 1,095 50	25. 25. 25. 25. 25. 25. 25. 25. 25. 25.		732 53 140 00 872 55	841 K5 888 28 1,230 08	796 13 730 18 1,526 31		8,959 71 2,973 72 11,988 43
Supt , Engin'er and Office			475 10 20 25 25 25 25 25 25 25 25 25 25 25 25 25								625 00 18 75 643 75			967 84 8,186 84
	Pay Rolls 8 Vouchers. Total	Pay Rolls Vouchers . Total	Pay Rolls Vouchers. Total	Pay Rolls Vouchers. Total	Pay Rolls Vouchers. Total	Pay Rolls Vouchers. Total	Pay Rolls Vouchers. Total	Pay Rolls Vouchers. Total	Pay Rolls Vouchers. Total	Pay Rolls Vouchers, Total	Pay Rolls Vouchers.	Pay Rolls Vouchers.	Pay Rolls Vouchers	IIs.
Months 1900	April 16-30.	May	Inne	ruly	August	September	Detober	November	December	January 1901	February	March	April 1-15	Total Pay Rolls. Total Vouchers.

Summary.

Department	Pay Rolls	Vouchers	Total
Superintendent, Engineer and Office	\$ 7,169.50	8 967 34	# 8,186 84
Street	5,959 71	2,973 72	11.933 48
Inspection	13.126 68	918 51	14.045 19
Meter	6,631 42	677 83	7,308 75
Betterment	11,416 13	25,897 49	37,313 62
Turkev Creek	20,707 27	19.157 23	39,854 50
Quindaro	13,296 67	19,055 46	82,352 18
Misgellaneous	902 29	7,635 29	8,538 28
Assessor and Collector	10,911 88	2,719 75	13,631 63
Rebates and Refunds	******	14 35	14 35
Construction	4.241 17	5,483 12	9,724 29
Barnasser	2,150 52	3.186 HI	5,337 13
Appropriations	16,160 10	46,287 57	62,447 67
	\$115,674 04	\$184,973 97	\$250,618 01

Turkey Creek Pumpings.

Months, 1900	Callons	Coal
April 16 to 30 May June June July August September October November December January, 1901	140,700,468 293,188,015 208,849,937 826,590,232 831,227,476 815,325,294 828,227,196 220,946,915 298,000,708 502,364,065 200,738,888	868,362 1.628,614 1.756,586 1.826 628 1.987,587 1.824,187 1.907,150 1.765,042 1.838,146 1.806,827 1.750,218
February March April 1 to 15.	282 091,801 432,185,276	1,798.228 968.500
Total	9 895 095 941	91 907 507

Quindaro Fumpings.

Months, 1900	Gallons	Conl
April 16 to 30 May June July Alignat September October November December January, 1001	183,147,925 387,291,298 387,313,660 278,263,184 401,684,235 253,415,325 253,966,200 312,010,634 317,440,520 298,306,655	205, 150 773, 755 767, 800 789, 850 884, 150 709, 950 811, 900 741, 200 756, 900 724, 400
Peliruary March April 1 to 15	812,800,572 189,967,124	741,500 204,400
Total	8,954,278,445	0.588.855

Approximate Pounds Pressure.

Due to columns of water from 50 to 200 feet in height; also the number of gallons of water that will be delivered per minute, and the height in feet to which it will be discharged through nozzles from five-eighths to one and one-fourth inches in diameter, under heads from 50 to 200 feet in height, or the corresponding pounds pressure.

Height in feet of column of water 50	60	70	80	91	100	120	140	160	180	200
Pounds pressure due to same 22	27	31	36	40	44	54	62	71	80	89
5% inch nozzle. Number of gallons will deliver per minute	55	60	63	67	72	78	85	87	93	101
	51	58	64	70	75	84	91	96	99	100
34 inch nozzle. Number of gallons will deliver per minute	79	86	92	98	103	113	122	1 2 7	187	146
	52	60	67	73	79	90	99	106	112	116
$^{7}{\rm s}$ inch nozzle. Number of gallons will deliver per minute	109	118	127	133	140	156	161	178	187	199
	54	61	70	75	82	94	105	114	122	129
1 inch nozzle. Number of gallons will deliver per minute		155 62	159 70	17# 77	183 84	201 97	217 109	226 120	214 129	260 137
114 inch nozzle. Number of gallons will deliver per minute	224	241	258	272	258	316	341	853	3-0	407
	56	64	72	81	87	102	116	128	139	150

Friction Loss in Pound Pressure.

For each 100 feet of length in 4-inch and 6-inch clean cast iron pipes discharging given quantities of water per minute.

Gallons	
per min, 4-incl	n 6-inch
50 0.09	
100	0.05
150 0 . 69	0.10
200	0.17
250	0.26
30) 2,66	0.37
850	0.50
400	0.66
450	0.81
500 7.43	0.96
750	2.21
1000	3.89
1250	

Comparison of Pumpings, Years 1899 and 1900.

Turkey Creek.

' : -	Pounds Av Lbs	13,507	:
Ashes		4,945,930 4,870,230	
	Av Ling	5.45,215 54,946	1
Conl	Pounds	21 215 Jahr 21.507 Jahr	1
Allon	Av Gals per Day	9.584.137	
ی	Total	3,679,950,905 3 6 5,025,241	
. !			
:1	Year	:	
!! !-	÷	1500	

Ouindaro.

	To Basin	ulta	To City	līy	ق	- -	Conl	Alum
Year	Total tials	Av Galls per Day	Total Gals Av Gals Pounds	Av Gals	Pounds	Av Lba	Pounds	Pounds Av Lhs per Day
200	4,876,102,935	12.747.11	12,515,24,7 8,854,910,336 11,737,12 8,3051,273,545	10.344,61 10.7 ELAN	11.741.×10	£.25 £.25		1.054

Report of Work Done by the Street Division of the Water Department from April 16, 1900, to April 15, 1901.

Kansas City, Mo., July 19, 1901.

D. W. Longwell, Supt.,
 Kansas City, Mo.
 Sir:—Herewith I submit a report of work performed and material used in Street Division of Water Department for the fiscal year ending April 15, 1901.
 J. S. CANNON, Street Foreman.

	Losds Dirt Hauled		451
	Posds Pipe belusH	- 8842 3183 3248 3 4	200
۶n p.	Pipe Lowere	1,485 6.54 6.60 1,445 1,012	5,NQ3
_	12-in.	25 15 15 17 17 17 17 17 17 17 17 17 17 17 17 17	2 100
section Tetal Cines	.e. 10-1n.	5 8 8 8	2.13
770	New Pipe	851 028.1 144.1 144.1 145.1 145.1 145.1	13,336
Make	Fin.	8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2,760 48.949 13,336
	In	**	
	Lead Leaks Derised	0-8-8-6-6-8-8-8-8	¥
	1999 Sidn') notiby as x A 1901 O Tol 1901 O Tol	23.55.00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21,620
-	Unbic Feet Excavation Figures	1.82 1.82 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83	715,640
	97[87 198 81970')	· 28888328122	8
7.	Perings	21 72 71	=======================================
Valves	NoX	31012Ex52533128	101
	Кераскед	สจิลลลละคอนะสต	319
	beninaxa tor Frost	8.45.0 2.60 2.00	9,972
7.	New	<u>- 독일왕</u> 꽃공성분교성교육	151
Hydrants	PeringoA	4+1102+2521041	218
Hyd	Delto bus	48888888 : : : : : : : : : : : : : : : :	3
	Joseph Dun		35
	Repacked and Calved	H-32724488454	38
	Months 1900	April 16 to 30 May May Mune Huly August August August August August August August August August Percent Percent Percent Anuary—1001 Anuary—101 March	Totals

Inventory of Material Used and Stock on Hand April 15th, 1901, by Street Department.

Cast Iron Pipe.

	Linea	Feet	Line	al Feet
Size	Received	Disposed of and Laid	On Hand April 16, 1960	On Hand April 15, 1901
3-Inch 4 6 8 10 15 16 20	1,962 48,084 12,876 2,520 2,292	72 2.760 48,949 13 356 2,124 5,604	72 2,208 2,772 1,824 588 3,306	1,376 1,907 1,344 984 24 12 6.0 48 48
20 ** 24 ** 30 **	747 4 1071477444	12	Bud.	63 48 48 48 394

Valves, Hydrants and Specials.

Articles	Size	No.	Articles	Size	No.	Used for Betterment	ts
Sleeves and Rings	36 in	2	Valve Covers		11	4 in Crosses	
4). 40 14	80 **	2				6 in T's	
14 _ 44 94	21 "	- 5	Cast Iron Crosses	24 in	1	6 in Bends	- 4
10 10 10	20 **	-11	41 14	20 4	2	6 in 8 & R'gs	
10 11 15	16 "	3	** ** **	16 ***	2	6 in Crosses	- 4
44 141 341	10 "	13	16 10 11	12 **	. 3	Sin T's	
FF 96 10	10 .	1	46 10 10	10 **	19	Sin Bends	1
40 10 51	8 "	16		N 25	51	Sin S & R'gs	
40 -1 10	B **	33	14 14 10	6	33	8 in Crosses	- 1
94 94	4	33		4 "	11	10 in Crosses 12 in S & R'gs	
Cast Iron Bends	30 11	2	Cast Iron T's	30 -	2	12 in T's	
91 - 61 - 61	16 **	5	40 44 14	24 **	5	12 in Crosses	
20 00 00	15 **	1	44 30 30	20 **	7	Hydrants	12
\$1 th br	10 "	7	94. 87. 198	12 "	is	Valves	8
24 24 24	B 44	16	44 54 54	10 **	20	Valve covers	1
40 40 40	11	169	21 00 00	8 "	29	A WALLE COLLETS	4.
to to to	4	170	10 00 00	8 "	52		
		T.10	44 34 44	4 10	5		
Cast Iron Redu'rs	15 11	1					
of the second second	12 **	3	Ludlow Hydrants	B 44	16		
of 10 to	10 "	10	PRINCIPLE TELEGRAPHICA	4 4	14		
20 10 10	8 10	46			1.9		
	B.10	40					
		40	Ludlow Va ves	12.11	1		
Cast Iron Plugs	20:4	1	THE STATE OF THE PARTY	10 "	i		
bi is trugs	19 11	5		B	1 8		
*** ** **	10 14	4	4. 44.	4.41	- 10		
to 10 10	8	26					
10 10 11	6.1+	204	Corey Hydrants	6.11	4		
	4 "	71	Corey Hydrania.	4 11	1		
Cast Iron Ancho's	10 **	2	Smith Valves	8.11	14		
24 20 20	8 10	25	94 85	E **	25		
34 10 10	0 **	74	14 10	4	21		
34 '94 10.	4	100	10. 40.	3 "	31		

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Valves, Hydrants and Specials on Hand April 15, 1901.—Continued.

	пч	DRANT	s				v	ALV	ES.	
Received	- Set			n Hand or 15, 1901	Receive	ed	Set	On Apr	Hand :.16, 1900	On Hand Apr.15, 1901
157	151	29	• .	85	98		101	i 	137	129

Inventory of Miscellaneous Stock on Hand April 15, 1901.

Articles	No.	Articles No.
Syphons Block and tackle sets. Derricks Shovels Picks Valve keys Sets hydint & valve rep'r outfits	2 3 3 63 88 14 3	Sets calking, cutting and pipe laying tools

	Extension of	M	ater	Mai	da st	Ord	Water Mains by Ordinance, April 16, 1900,	Ç	pril	10,	56	C, to	to April 13,	LII	ň	1901		
eour			Fe	Feet of Pipe	adic		Hy- drants		Valves		Cross-	H	1.8	Bends		Slee-	Rock	
ordino	Location of Main	#-Im	6-ln	8-In	10-in	12-1n	·ox	9218	'on	.oN	ozis	'on	asia	'oN	sais	20 N		1 Pavements
13871 14087 14085 14085 14086 14108 14118 18779 18778	Washington, 7th to 10th. 20th, Grand to McCoy Euclid, 25th to 20th Montgall, 25th to 25th Jackson, Independence to Smart Locast, 8.1 of 25th to 135 ft n of no line of 25th to 135 ft n of no line of 25th to 135 ft n of the 15th to 18th Myrtle, 15th to 18th Myrtle, 15th to 18th Myrtle, 15th to 18th Myrtle, 15th to 18th Myrtle, 15th to 18th Myrtle, 15th to 18th Myrtle, 15th to 18th Myrtle, 15th to 18th Sith, Charlotte to Tracy Holly, 42nd to 48rd, Woodland, 25th to 25th Woodland, 25th to 25th Woodland, 25th to 25th Wyandotte, 5th to 25th Wyandotte, 5th to 25th Traces, 25th to 25th Traces, 25th to 25th Wyandotte, 5th to 25th Traces, 25th to 25th Traces, 25th to 25th Wyandotte, 5th to 25th Traces, 25th to 25th	80 to transpar of the 2 th	86 2,000 2 200 200 2 200 2 200 2 200 2 200 2 200 2 200 2 200 2 200 2 200 2 200 200 2 200 2 200 2 200 2 200 2 200 2 200 2 200 2 200 2 200 2 200 2			12 4 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		6 04040 444004 4 440 6446446 64	STREETS COORDINATE STREETS OF STREET	A CARRES - CORPORATE CON CONTRACT CONTR	x 2 000 8x800000 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HH H H H H H H H H H H H H H H H H H H	xm 0 0 0 1 20 1 1 1 1 1 1 1 1 1	1 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	ile is sell sele is is is	* 20 x 3100 0 0 0		106 yds Asphalt 190 yds Brick 190 yds Brick 150 195 yds Asphalt 200 44 yds Asphalt 200 5 yds Asphalt 150 200 5 yds Asphalt 150 6 yds Asphalt 110 yds Asphalt 111 yds Asphalt 111 yds Asphalt 111 yds Asphalt 111 yds Asphalt

Extension of Water Mains by Ordinance, April 16, 1900, to April 15, 1901.—Continued.

	Pavements	2 yds Asphait 10 yds Brick Asphalt Asphalt 11 yds Asphalt 12 yds Asphalt 12 yds Asphalt 1000
Rock	vation Lineal Feet	2 00 00 00 00 00 00 00 00 00 00 00 00 00
slee-	exis	60 0 0
Slee-	'oN	
sp	ezi8	00 0 0 0 0 0 0
Bends	.o.N	1 01 - 1 01 1 01 1 00 1 - 4 1 01 04 01 01 1 1 1 1
T's	ezis	
T	'on	
088- 08	azis	0
Cross-	.ov	
ves	Size	***
Hy- drants Valves	'oN	-
By-	əzi8	4 4044404400 4 64 40 10 10 10 10 10 10 10
dra.	.o.M	H
	12-in	1,308
Pipe	8-in 10-in	
Feet of Pipe	8-in	
Fee	6-1n	11.808 11
	4-In	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	Location of Main	Brd. Vine to Flora. Monroe, Windsor to Gladstone. Morrell, Bales to Askew Central, end of Muin to LaSalle Forest, 34th to 35th. Denver. St John to Harris. Pracy, 34th to 85th. Lydia, 23nd to 35th. Quincy, 3t John to Harris. Highland, 23rd to 25th. Lydia, 23nd to 28th. Lydia, 24th to 25th. Frospet pl. Prospet pl. Prospet pl. Prospet pl. Zird, McCoy to Charlotte. 31st, Benton to Chestnut. Sith, Penn to 12th teat. MeCoy, 20th to 23th. Sith, Tracy to Virginia. 33rd, Tracy to Virginia. 33rd, Tracy to Virginia. 33rd, Tracy to Sith. Michigan, 30th to 35th. Michigan, 30th to 35th.
pou	nuibro oX	150881 14167 14167 14167 1427 1427 15215 15215 15602 15602 15603 16603 1

Extension of Water Mains by Ordinance, April 16, 1900, to April 15, 1901.—Continued.

				-												ı			-
aou i			Fee	Feet of Pipe	ipe		Hy- drants		Valves		Uross-		L's	Be	Bends	Slee	1	Rock	
ordina oN	Loration of Main	t-In	6-1m	8-In	10-tn	12-m	.o.X	Size	,oN	SIZE No.	-0218	No.	exis	'oN	sine	'oN	azie	vation Lineal Feet	Pavements
10000 10000	Sith, Troost to Lydin. Virginia, Sired to Mithigan Sith, Woodland to Mithigan Highland, 1th to 12th. Brooklyn, 26th to 26th. Brooklyn, 26th to 26th. Kensington, 15th to 20th. Brooklyn, 26th to 20th. Sucild, 31st to 26th. Brooklyn, 26th to 26th. Cypress, 15th to 26th. Cypress, 15th to 26th. Sith, Lydia to Woodland.	2 50 0 0 0 0 0 2 2	11822 884 972 12 12 12 13 16 18 18 48	708 708 098 098 2,064 1,882			* 0-0-0-0-0-0-0-0-0		99 H HO HAS 99-99	**** ***** ***** ******	200 2 2			21 02 04 68 03 05 HP W W	w e e w w exx			88.00 1500 1500	2% yds Asphalt 150 I yd Brick 200 7 yds Asphalt 8 800 1 yd Asphalt 2% yds Gill Asp 2% yds Asphalt 600 9 yds Asphalt 600 9 yds Asphalt
		2,368	2,269 48,229 15,219	10,212	2,194	6,700	T	1	-	100	-	-							

Mains Laid, April 16, 1900, to April 15, 1901.

1	Cost per	######################################
	Cost of Line	2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2
	IstoT' 81'byH	No and last immage assume assume the first
Hydrants	5-in 6-tu	21
Ξ	t	01
	IntoT savin7	
1	21년	
Valves	51 12	
>	8-1n	11 MM 114 2 miles
1	4-in 6-in	n a or an an an an an an an an an an an an an
	8-in, 10-in, 12-in, No. Feet	11 1 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
tne ,	E In.	7.1.1.1 7.5.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.
Length of Line	10-in.	1.80%
Jue.	tin,	1.11.12.25.56.
-		250 68 88 88 88 88 88 88 88 88 88 88 88 88
!	4-in. 6 in.	ន្ទា : 22 23 2 នេត្តនិងគឺងក្នុងគឺ ន នេះ
1		h to 30th h to 30th h to 33td - Tith to 10th tte to Tracy oward to 35th to 15th h to 15th the to 15th h to 21st th to 12stle to 175th h to 18th h
	Location	Euclid ave., 28th to 30th 20th 8t., Grand to McCoy Wishington st., 7th to 30th Wishington st., 7th to 30th Charlotte or Tracy 23th 8t., Charlotte to Tracy 23th 8t., McCoy to Charlotte 23th 8t., McCoy to Charlotte 23th 8t., McCoy to Charlotte Madison ave., 17th to 12st. Cherry 8t., 27th to 12st. Cherry 8t., 27th to 15st. no of 28th Cherry 8t., 27th to 15st. no of 28th Cherry 8t., 27th to 15st. no of 28th Myrile ave., 15th to 18th Holly 8t., 42d to 43d Myrile ave., 8t. John to Harris, 3d st., Westport to Holly Myrile ave., 8t. John to Harris, Modland ave., 25th to 28th Troost ave., 25th to 30th Troost ave., 33th to 30th Troost ave., 33th to 48th Wallium 8t., 86th to 88th Wandle 8t., 8W., by, to Milwke Myradoc axe., 35th to 38th Wandle 8t., 8.W., by, to Milwke Myradoc, 8t., 8.W., by, to Milwke Myradoc, 8t., 8.W., by, to Milwke Myradoc, 8t., 8.W., by, to Milwke
		Euclic Salt set Washin set Washin set Salt set Charly Country
∍əu	aulbr0 .oZ	11.889 11.598 11

Mains Laid, April 16, 1900, to April 15, 1901.—Continued.

30	Per For	2538855555555555555558888655558	
Average		*	
Cost of Line		2,000 to 100 to	\$69,115.36
Hydrants	Tot, No.	20 A 1 21 22 1-22 1-22 1-22 1-22 1-22 1-22	184
	6-tn		28
lyd	Fin	n , m , m , m , man , man , m , m , m , m , m , m , m , m , m ,	2
	t-in	000 100	88
	Tot, No.		1:
	21年		10
Valles	2.2		+
Vill	s fu		101
	6-in 8		98
	4-In		-
	Total Total	17.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5,700 08,407
2	m.		
I Lim	10-in, 12-in	3 3 3 3 3 3 3 3 3 3	2,124
Length of Line.	s.in.	2,000	11,880
Lei	6-in,	25.00 25.00	1,140 47,613 11,880
	4-tn.	aa na aa na eg ara 2262	1,140
	Loestlon	Wyandotte st., 33th to 36th Lydin ave., 32d to 35th Cydin ave., 32d to 25d Evorest ave., 34th to 33th Lydin ave., 34th to 33th Ath st., Treast to Lydin Highland ave., 36th to 35th Sth st., Trees to Lydin Sth st., Cleveland to Elmwood Cilnton pl., 3t. John to Scarritt 31st st., Cheveland to Elmwood Cilnton pl., 3t. John to Sarritt Sth st., Trees to Lydin Sth st., Trees to Lydin High ave., 34th to 33th Michigan ave., 30th to 33th Michigan ave., 30th to 33th Michigan ave., 30th to 33th Michigan ave., 30th to 38th Lydinia ave., 30th to 38th Lydinia ave., 30th to 38th Lydinia ave., 30th to 38th Lydinia ave., 30th to 38th Lydinia ave., 30th to 38th Lydinia ave., 30th to 38th Lydinia ave., 30th to 38th Lydinia ave., 30th to 38th Hydinia dave., 30th to 38th Hydinia dave., 30th to 38th Hydinia dave., 30th to 38th Hydinia dave., 30th to 38th Hydinia dave., 30th to 38th Hydinia dave., 30th to 38th Hydinia dave., 30th to 38th Hydinia dave., 30th to 38th Hydinia dave., 30th to 38th	Total
ordinance .ox		13081 14082 13088 13018 13018 13018 13428 13428 13428 13428 13408 13508	

Inspection Department.

D. W. Longwell, Supt. Water Department.

DEAR SIR:—Below is report of the Inspection Department of the Water Works for the fiscal year ending April 15, 1901.

WALTER R. WILSON, Chief Inspector.

*****	No. of London
Number	Number
Services turned on for regular use 4723	By-pass valves examined 101
Services turned on after repairs 393	By-pass valves sealed
Services turned on for builders 674	Fire protection valves examined 713
Services turned on and off for elevator	Fire protection valves sealed 208
test	Examinations for correction of maps. 4
Services turned off account moved 1420	Miscellaneous 5156
Services turned off account request 387	Sprinkling violations 162
Services turned off account violations. 40	Service permits issued 2112
Services turned off account unpaid 1561	Service permit examinations 3174
Services turned off account burned 19	Service permit rejections 533
Services turned off account leaks 446	Extension permits issued 2462
Services turned off account builders	Extension permit examinations 2813
finished 601	Extension permit rejections 323
Examinations by Building Inspector. 5579	Taps made 1529
Shortages found by Building Inspector 236	Fountain examinations 1678
Violations found by Build'g Inspector 561	Services repaired 283
Services re-rated 5268	Services disconnected 176
Services examined to see if O. K 2853	Fountains reset 6
Services examined to see if off 3227	Flush tank examinations 703
Pipe in trench examinations 2868	Bills presented 641
Small mains turned off for plumbers. 157	Feet of small main Isid
Meter and indicator statements taken. 937	Feet of small main lowered 2402
Boxes measured specially 260	Services disconnected from small main
Stop boxes found out of o der 259	and connected to regular main 193
Notices to repair boxes	Fire plugs closed that were found open 31
Street keys captured 15	Feet of small main taken out 1534
Services examined-special inspection 2187	Feet of small main covered 160
Leaks found and notices given 1555	Elevators examined 45
Blocks consumers notified before street	Feet sewer pipe laid for fountains 150
is paved	New fountains put in 1
Connections found outside of meter 2	Dead ends flushed 1292
Meters found out of order 23	

Meter Department.

D. W. Longwell, Superintendent Kansas City Water Department.

Dear Sir:—Herewith I submit the following report of the Meter Department for the fiscal year ending April 15, 1901:

April 16, 1900.			
April 10, 1990.			4,654 776
			0,429
# #			94
April 15, 1901,			5.885
April 16, 1900.	Indicators in service Indicators taken off		64
April 15, 1901.	Indicators in service	Annual control to the control of	62
April 16, 1930.	Meters in stock (2nd hand)		20
**	Meters put in stock (2nd ha	nd)	24
20 10	Meters sold		-
24 44	Meters condemned		33
April 15, 1901.	Meters in stock		11
Mater sonale	4		700
	M		1,527
Meters re-set,	SELECTION OF THE PROPERTY OF THE PER	******* **********************	89
Meters raised	COLUMN TAXABLE DATE OF THE PARTY OF THE PART		17
Indicato s rec	alred		245
Faucets.	merca commercial control of the cont		625
Special Inspe	cuons	CONTRACTOR OF THE PARTY OF THE	1,625
			220
	d		81
City meters in	service	********* ** ************************	650
Private meter	s in service		4,685
			0,835
	WEEEE		
water base		d upy	
as mob Coln		8 SET.	790
20, 41 11	mbla197	inch Hersey Rotary	
inel: Colu	mbla197	inch Hersey Rotary	0
124	mbia	Mark Inch Hersey Rotary	2 1
20, 41 11	mbia 197 19 5- 221	% inch Hersey Rotary	2 2 32
% inch Union	mbia	% inch Hersey Rotary	5 2 1 32 3
% inch Union	mbia 197 19 5- 221 1 39 1 9 8 8	% inch Hersey Rotary	5 2 1 32 3
% Inch Union	mbia 197 19 5-221 1 39 9 1 8 1 2-29	% inch Hersey Rotary	32 32 31 1
% inch Union	mbia 197 19 5-221 1 39 1 9 8 1 2-59 nt 108	% inch Hersey Rotary	5 2 1 32 3 1 1 2-86
% inch Union % inch Union % inch Union 134	mbia 197 19 5-221 1 39 1 9 8 1 2-59 nt 108	inch Hersey Rotary inch Hersey Disc inch Hersey Torrent inch Worthington	5 2 3 3 1 2 8 1 1 2 8 1 1 1 1 1 1 1 1 1 1 1 1 1
% inch Union	mbia 197 19 5-221 1 39 1 9 8 1 2-59 nt 108	% inch Hersey Rotary 14 15 6 Inch Hersey Disc 2 Inch Hersey Torrent 4 Inch Worthington	2 2 3 3 3 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
% inch Union inch Unio	mbia 197 19 5-221 1 39 1 9 8 1 2-29 nt 108 7 1-116 ert 93	% inch Hersey Rotary 134 134 % Inch Hersey Disc. 24 inch Hersey Torrent 4 56 inch Worthington	5 2 3 3 1 3 2 4 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
% inch Union	mbia 197 19 5-221 1 39 1 9 8 1 2 29 nt 108 7 1-116 ert 93	% inch Hersey Rotary 14 11 25 inch Hersey Disc 34 2 inch Hersey Torrent 4 inch Worthington 34 11 11 2 inch Worthington	5 2 2 3 3 1 1 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
% inch Union inch Union inch Union inch Union inch Union inch Union inch Inch Inch Inch Inch Inch Inch Inch I	mbia 197 19 5-221 1 39 1 9 8 1 2-59 nt 108 7 1-116 ert 93 12-108	% inch Hersey Rotary 13-2-3-3-4-3-4-3-4-3-4-3-4-3-4-3-4-3-4-3-	2 2 32 3 1 1 2 4 6 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
% inch Union the	mbia 197 19 5-221 1 39 8 1 9 8 1 1 2-59 nt 108 1-116 ert 93 1 2-108	% inch Hersey Rotary 14	5 2 2 3 3 1 2 4 50 50 50 50 50 50 50 50 50 50 50 50 50
of Inch Union the Union of Inch Union of Inc	mbia 197 19 5-221 1 39 1 9 8 1 1 2-59 nt 108 1-116 ert 93 2-108 n 55	% inch Hersey Rotary 14 13 % Inch Hersey Disc. 24 16 17 25 18 36 36 36 36 36 36 36 36 36 3	5 2 3 3 3 4 3 4 3 6 4 3 6 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6
of inch Union the Union th	mbia 197 19 5-221 1 39 1 9 8 1 2-59 nt 108 1-116 ert 93 1 2-108 n 55	% inch Hersey Rotary 14 15 25 inch Hersey Disc. 25 26 inch Hersey Torrent 36 36 37 38 38 39 30 30 30 30 30 30 30 30 30	5 2 3 3 3 4 3 4 3 6 4 3 6 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6
of Inch Union the Union of Inch Union of Inc	mbia 197 19 5-221 1 39 1 9 8 1 1 2-29 nt 108 1 1-116 ert 93 2-108 n 55 16 17 19 2-82	% inch Hersey Rotary 14 13 % Inch Hersey Disc. 24 16 17 25 18 36 36 36 36 36 36 36 36 36 3	5 2 2 3 3 3 4 3 4 3 5 4 3 6 3 6 3 6 3 6 3 6 3 6 3 6 3 6 3 6 3
% inch Lant	mbia 197 19 5-221 1 39 1 9 1 12 2 59 nt 108 1 1-116 ert 93 1 2-108 n 55 1 15 2 82 re 4 1 5	% inch Hersey Rotary 14 " " " " " " " " " " " " " " " " " " "	5 2 2 3 3 3 4 3 4 3 5 4 3 6 3 6 3 6 3 6 3 6 3 6 3 6 3 6 3 6 3
54 inch Union 55 inch Union 56 inch Union 57 inch Tride 58 inch Lamt 10 58 inch Lamt 11 59 inch Empi 11 59 inch Empi	mbia 197 19 5-221 1 39 1 9 8 1 1 2-59 nt 108 7 1-116 ert 93 2-108 n 55 15 9 2-82 re 4 12-5	% inch Hersey Rotary 14 " " " " " " " " " " " " " " " " " " "	5 2 32 32 32 33 4 4 4 4
% inch Lant	mbia 197 19 5-221 1 39 1 9 8 1 1 2 59 nt 108 1 1-116 ert 93 1 2-108 n 55 1 16 1 9 2 82 re 4 1 5	% inch Hersey Rotary 14 " " " " " " " " " " " " " " " " " " "	5 2 32 32 32 33 4 4 4 4
% inch Union Tride inch Lamt inch Crow	mbia 197 19 5-221 1 39 1 9 8 1 1 2-59 nt 108 7 1-116 ert 93 2-108 n 55 15 9 2-82 re 4 12-5	% inch Hersey Rotary 14 " " " " " " " " " " " " " " " " " " "	5 2 32 32 32 33 4 4 4 4

124 ANNUAL REPORT OF THE BOARD OF PUBLIC WORKS.

METERS IN STOCK	.—second hand,
34 inch Crown 2 1 " Thompson 1 1 " Worthington 1 1 " Crown 1	2 inch Crown 8 3 1 4 1 11
METERS R	EPAIRED.
Crown 289 Hersey, rotary 158 Hersey, Disc 27 Hersey, Torrent 2 Trident 37 Lambert 15 Worthington 14 Pittsburg 22 Nash 16	Fmpire
Amount charged for labor To city To plumbers and consumers	\$1,024 50 3,888 58 \$4,913 08
Amount charged for material To city To plumbers and consumers	,
For meters sold (2nd hand	\$324 00 \$220 00 \$541 60

Respectfully yours,

J. G. ANDERSON,

Foreman.

Mains Laid and Hydrants Placed. Fiscal Year Ending April 15, 1901.

Kansas City, Mo., April 22, 1901.

Geo. C. Hale, Esq., Chief Fire Department.

Dear Sir:—Herewith please find list of water mains laid and hydrants placed during the fiscal year 1900. There were 13 and 422-5280 miles of mains laid and 146 hydrants placed.

Mains Laid.

Location	Inch	Location	Inch
Thirty-third, Vine to Flora	4	Thirty-fourth, Penn to Jeffe	rson, 6.
Vine, 35th st. north	4	Bales, 10th to 12th	ff
Sixth, Holmes st. east	4	Thirty-third, Tracy to Virgi	nin d
Highland, 11th to 12th	4	Thirty-seventh. Troost to Tr	nev A
Madison, 17th to 21st		Forest, 36th to 37th	B
Central. LaSalle to 42d		Michigan, 80th to 85th	iledeliene &
Holly, 42d to 43d		Jefferson, 31st to 34th	
Quincy, St. John to Harris	0	Virginia, 83d to 25th	distribution of
Denver, St. John to Harris	6	Thirty-fifth, Woodland to M	
Forty third Westweet to Walls	77.1 0		
Forty-third, Westport to Holly	*** 0	Tenth, Bales to Cleveland	Constitute of
Brighton, St. John to Harris	0	Kensington, 15th to 20th	
Montgail, 25th to 27th	0	Ruelid, 31st to 32d	HALL HALL OF
Kensington, Independence to Sma	ar. o	Highland, 83d to 35th	
Euclid, 29th to 20th	0	Cypress, 15th to 20th	MALESTINE O
Locust, 26th north	6	Washington, 7th to 10th	minima 8
Myrtle, 18th to 19th	· 6	Cherry, 27th north of 26th	8
Woodland, 21d to 25th	6	Troost, 35th to 39th	mmmm- 8
Woodland, 28th to 30th	*** 6	Troost, 39th to 40th	HALLESTON B
Thirty-ninth, Bell to State Line	6	Thirty-fifth, Troost to Lydin	8
Walnut, 36th to 39th	6	Brooklyn, 27th to 28th	8
Wyandotte, S. W. bvd. to Milwauk	ee. 6	Brooklyn, 28th to 29th	Contain 8
Morrell, Askew to Bales	6	Brooklyn, 29th to 30th	B B
Wyandotte, 35th to 36th	6	Ninth, Elmwood to Clevelar	id 8
Monroe, Windsor to Gladstone,	6	Thirty-fifth, Lydia to Woodl.	and 8
Baltimore, 85th to 36th	.7. 6	Jackson, Independence to Sr	nart 10
Tracy, 34th to 35th	6	Thirty-first, Benton to Ches	Inut 10
Forest, 34th to 35th	6	Thirty-third, Tracy to Virgi	nin 10
Highland, 28d to 25th	6	Twentieth, Grand to McCoy	
Lydia, 82d to 35th	- 6	Twenty-fifth, Charlotte to T	racy IS
Lydia, 23d to 22d	6	McCoy, 20th to 23d	19
Clinton, St. John to Scarritt	. 6	Twenty-third, McCoy to Cha	rlotte 19
Valentine road, Belleview west	6	Charlotte, Howard to 25th	19
i milmanic rount perceaten mest		Charlotte, Howard to soul	

Location of Fire Hydrants.

8. W. Washington and 8th.
8. S. Washington and 8th.
N. W. Washington and 8th.
N. W. Washington and 9th.
N. W. Cherry and 20th.
W. S. Montgall, bet. 25th and 26th.
N. W. Montgall and 26th.
W. S. Montgall bet. 26th and 27th.
N. W. Montgall and 27th.
N. W. Montgall and 27th.
N. W. Euclid and 29th.
W. S. Reiclid, bet. 20th and 30th.
"Jackson, 303 ft. n. of Independence
N. W. Jackson and Thompson
"Jackson and Bmart
W. S. Jackson and Garner.
S. W. Cherry and 26th.
"Madison, bet. 18th and 19th.
S. W. Madison, bet. 18th and 19th.
S. W. Madison, bet. 18th and 19th.
N. W. Myrtle and 18th.
W. S. Madison, bet. 20th and 21st.
N. W. Myrtle and 18th.
W. S. Madison, bet. 20th and 21st.
N. W. Myrtle and 18th.
W. S. Martle 330 ft. s. of 18th.
N. W. Myrtle and 18th.
N. W. Myrtle and 18th.
N. W. Smart and Kensington.
"Garner and Kensington.
"Garner and Kensington.
"Hompson and Kensington.
"S. Kenslington, 228 ft. n. of Indep
S. E. Twenty-fifth and Harrison.
N. W. Hammond aud Myrtle
"Nineteenth and Myrtle
"Twenty-fifth and Chariotte,
S. W. Forty-third and Jarloe,
W. S. Holly, 400 ft. n. of 43d,
N. W. Holly and 42d,
"Woodland and 22th,
W. Woodland and 22th,
W. S. Woodland, 271 ft. s. of 28th,
N. W. Woodland and 28th,
W. S. Troost, 333 ft. s. of 35th,
S. W. Troost and 36th,
W. S. Troost, 333 ft. s. of 36th,
S. W. Troost and 38th,
W. S. Troost, 330 ft. s. of 36th,
W. S. Troost, 337 ft. s. of 38th,
N. W. Woodland and 22th,
W. Woodland and 22th,
W. S. Woodland and 27th,
W. S. Woodland and 27th,
W. S. Woodland and 27th,
W. S. Woodland and 27th,
W. S. Woodland and 27th,
W. S. Woodland and 27th,
W. S. Woodland and 27th,
W. S. Troost, 337 ft. s. of 36th,
N. W. Troost and 39th,
W. S. Troost, 330 ft. s. of 35th,
N. W. Troost and 40th,
W. S. Troost and 40th,
W. S. Troost and 40th,
W. S. Troost and 40th,
W. S. Troost and 40th,
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W. S. Troost and 40th,
W. S. Troost and 40th,
W. S. Troost and 40th,
W. S. Troost and 40th,
W. S. Troost and 40th,
W. S. Troost and 40th,
W. S. Troost and 40th,
W. S. Troost a S. W. Quincy and Scarritt.
N. W. Quincy and St. John.
S. W. Lydia and Heist.

Lydia and 33d.

Lydia and 35th.
N. W. Lydia and 45th.
S. W. Central and 45th.
S. W. Central and 45th.
S. W. Central and LaSalle.

Twenty-third and Highland.

Twenty-fourth and Highland.

Brighton and Harris.
Brighton and Harris.
S. S. Valentine rd. 273 ft. w. of Belleview High. 120 ft. e. of Penn.
S. W. Clinton and Windsor.

Clinton and Scarritt.
S. S. Thirty-fourth and Jefferson.
S. W. Eleventh and Bales.
W. S. McCoy at City Hospital.
S. S. Thirty-seventh and Forest.
S. W. Thirty-seventh and Tracy.
W. S. Forest. 275 ft. n. of 36th.
S. W. Forest and 36th.
Thirty-first and Michigan.

Thirty-first and Michigan.

Thirty-first and Michigan.

Thirty-first and Michigan.

Thirty-third and Michigan.

Thirty-third and Michigan.

Thirty-third and Michigan.

Thirty-third and Michigan.

Thirty-third and Virginia.
N. W. Thirty-fifth and Michigan.

Thirty-third and Jefferson.

Thirty-third and Virginia.
N. W. Thirty-fifth and Kensington.

Kighteenth and Kensington.

Seventeenth and Kensington.

Kighteenth and Kensington.

Kighteenth and Kensington.

E. Thirty-fifth and Kensington.

Kighteenth and Kensington.

Kighteenth and Kensington.

Kighteenth and Kensington.

Kighteenth and Kensington.

Kighteenth and Kensington.

Kighteenth and Kensington.

Kighteenth and Kensington.

Kighteenth and Cypress.

Kinth 415 ft. w. of Slit.

K. S. Prooklyn, 336 ft. n. of 29th.

N. S. Fuchled, 244 ft. s. of 81st.

Kuclid and 32d.

N. W. Sixteenth and Cypress.

Kighteenth and Sth.

W. W. None, 203 ft.

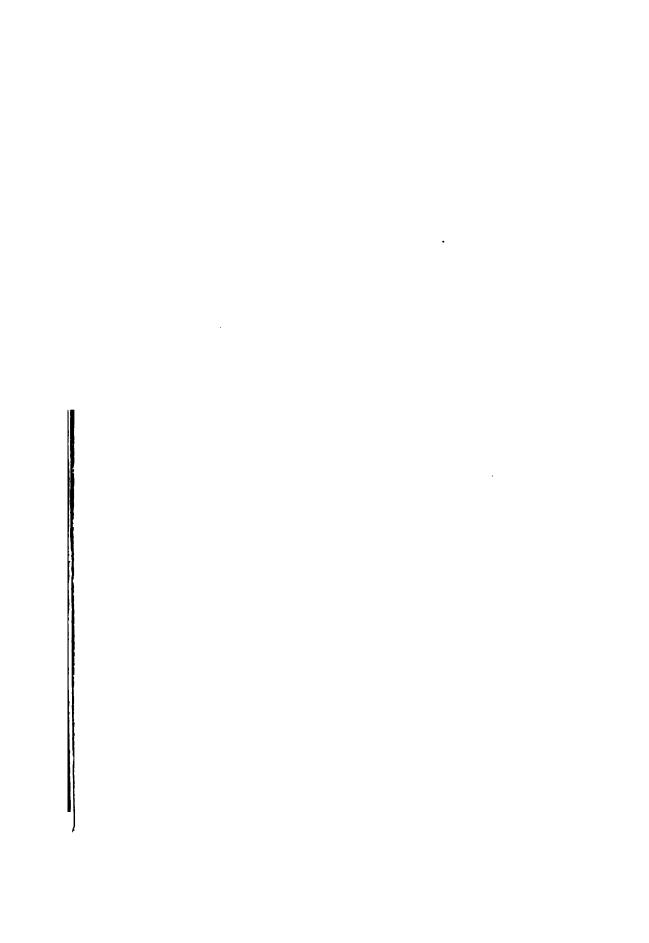
Respectfully submitted,

CHAS. E. RICKERT, Chief Clerk.





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